Radim Bris

List of Publications by Year in descending order

25 papers	156 citations	1307594 7 h-index	1199594 12 g-index
26 all docs	26 docs citations	26 times ranked	123 citing authors

#	ARTICLE	IF	CITATIONS
1	Parallel simulation algorithm for maintenance optimization based on directed Acyclic Graph. Reliability Engineering and System Safety, 2008, 93, 874-884.	8.9	27
2	Discrete maintenance optimization of complex multi-component systems. Reliability Engineering and System Safety, 2017, 168, 80-89.	8.9	26
3	An additive Chen–Weibull distribution and its applications in reliability modeling. Quality and Reliability Engineering International, 2021, 37, 352-373.	2.3	18
4	SPN as a tool for risk modeling of fires in process industries. Journal of Loss Prevention in the Process Industries, 2015, 34, 72-81.	3.3	15
5	Time-dependent risk modeling of accidental events and responses in process industries. Reliability Engineering and System Safety, 2014, 125, 54-66.	8.9	14
6	Exact reliability quantification of highly reliable systems with maintenance. Reliability Engineering and System Safety, 2010, 95, 1286-1292.	8.9	12
7	Effective computing algorithm for maintenance optimization of highly reliable systems. Reliability Engineering and System Safety, 2013, 109, 77-85.	8.9	9
8	Improved new modified Weibull distribution: A Bayes study using Hamiltonian Monte Carlo simulation. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2020, 234, 496-511.	0.7	8
9	Evaluation of the production availability of an offshore installation by stochastic Petri nets modeling. , 2013, , .		7
10	A nonparametric approach to medical survival data: Uncertainty in the context of risk in mortality analysis. Reliability Engineering and System Safety, 2014, 125, 145-152.	8.9	6
11	Comparison of different surgery operation techniques. , 2016, , .		2
12	Decision support system minimizing the risk of post-operation complications after surgeries. Health and Technology, 2016, 6, 149-156.	3.6	2
13	On innovative stochastic renewal process models for exact unavailability quantification of highly reliable systems. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2017, 231, 617-627.	0.7	2
14	Non-linear failure rate: A Bayes study using Hamiltonian Monte Carlo simulation. International Journal of Approximate Reasoning, 2020, 123, 55-76.	3.3	2
15	New Computing Technology in Reliability Engineering. Mathematical Problems in Engineering, 2014, 2014, 1-7.	1.1	1
16	Risk modelling of personnel fatality at accidents on offshore installations. , 2015, , .		1
17	Stochastic ageing and maintenance models for unavailability quantification of complex multi-component systems. , 2017, , .		1
18	A renewal process model with failure based PM and imperfect CM for unavailability exploration. International Journal of Quality and Reliability Management, 2021, ahead-of-print, .	2.0	1

#	Article	IF	Citations
19	Reparameterized Weibull distribution: A Bayes study using Hamiltonian Monte Carlo. , 2019, , .		1
20	ESREL 2009, safety and reliability conference. Reliability Engineering and System Safety, 2011, 96, 599-600.	8.9	0
21	Maintenance optimization of highly reliable systems — Linear model. , 2011, , .		0
22	Dynamic reliability modelling — Applications in gas industry. , 2014, , .		0
23	Mixture failure rate: A study based on cross-entropy and MCMC method. , 2017, , .		0
24	Risk Modeling in Process Industries by Stochastic Petri Nets. Advances in Intelligent Systems and Computing, 2014, , 327-336.	0.6	0
25	QRA of accidental events initiated by leaks causing a fire in process industries. Eksploatacja I Niezawodnosc, 2015, 17, 582-590.	2.0	0