

Kyungmee O Kim

List of Publications by Year in descending order

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29
papers

437
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759055

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20
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29
all docs

29
docs citations

29
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	A new reliability allocation weight for reducing the occurrence of severe failure effects. Reliability Engineering and System Safety, 2013, 117, 81-88.	5.1	76
2	General model for the risk priority number in failure mode and effects analysis. Reliability Engineering and System Safety, 2018, 169, 321-329.	5.1	62
3	Percentile Life and Reliability As Performance Measures in Optimal System Design. IIE Transactions, 2003, 35, 1133-1142.	2.1	30
4	Optimal burn-in for maximizing reliability of repairable non-series systems. European Journal of Operational Research, 2009, 193, 140-151.	3.5	29
5	Extending the scope of empirical mode decomposition by smoothing. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	24
6	Optimal allocation of reliability improvement target based on the failure risk and improvement cost. Reliability Engineering and System Safety, 2018, 180, 104-110.	5.1	24
7	Maximization of a percentile life of a series system through component redundancy allocation. IIE Transactions, 2001, 33, 1071-1079.	2.1	22
8	A relation model of gate oxide yield and reliability. Microelectronics Reliability, 2004, 44, 425-434.	0.9	20
9	A general model of heterogeneous system lifetimes and conditions for system burn-in. Naval Research Logistics, 2003, 50, 364-380.	1.4	16
10	Some Considerations on System Burn-in. IEEE Transactions on Reliability, 2005, 54, 207-214.	3.5	16
11	On the Relationship of Semiconductor Yield and Reliability. IEEE Transactions on Semiconductor Manufacturing, 2005, 18, 422-429.	1.4	14
12	Burn-in considering yield loss and reliability gain for integrated circuits. European Journal of Operational Research, 2011, 212, 337-344.	3.5	13
13	A unified model incorporating yield, burn-in, and reliability. Naval Research Logistics, 2004, 51, 704-719.	1.4	12
14	Two fault classification methods for large systems when available data are limited. Reliability Engineering and System Safety, 2007, 92, 585-592.	5.1	10
15	Derating design for optimizing reliability and cost with an application to liquid rocket engines. Reliability Engineering and System Safety, 2016, 146, 13-20.	5.1	10
16	Optimal number of components in a load-sharing system for maximizing reliability. Journal of the Korean Statistical Society, 2018, 47, 32-40.	0.3	10
17	Effects of manufacturing defects on the device failure rate. Journal of the Korean Statistical Society, 2013, 42, 481-495.	0.3	9
18	Bayesian reliability when system and subsystem failure data are obtained in the same time period. Journal of the Korean Statistical Society, 2013, 42, 95-103.	0.3	8

#	ARTICLE	IF	CITATIONS
19	Maximization of a percentile life of a series system through component redundancy allocation. IIE Transactions, 2001, 33, 1071-1079.	2.1	7
20	Effects of subsystem mission time on reliability allocation. IIE Transactions, 2015, 47, 285-293.	2.1	7
21	TWO-LEVEL BURN-IN FOR RELIABILITY AND ECONOMY IN REPAIRABLE SERIES SYSTEMS HAVING INCOMPATIBILITY. International Journal of Reliability, Quality and Safety Engineering, 2004, 11, 197-211.	0.4	4
22	Reliability functions estimated from commonly used yield models. Microelectronics Reliability, 2008, 48, 481-489.	0.9	4
23	Relating Integrated Circuit Yield and Time-Dependent Reliability for Various Defect Density Distributions. IEEE Transactions on Reliability, 2006, 55, 307-313.	3.5	3
24	Component and system burn-in for repairable systems. IIE Transactions, 2011, 43, 773-782.	2.1	3
25	RELIABILITY COMPARISON OF TWO UNIT REDUNDANCY SYSTEMS UNDER THE LOAD REQUIREMENT. Probability in the Engineering and Informational Sciences, 2021, 35, 766-780.	0.6	3
26	Reliability maximization of a load-sharing system without redundant components. Quality and Reliability Engineering International, 2023, 39, 3303-3315.	1.4	1
27	Multiscale representation for irregularly spaced data. Journal of the Korean Statistical Society, 2017, 46, 641-653.	0.3	0
28	Evaluating the failure risk with and without failure data. Journal of the Korean Statistical Society, 0, 1.	0.3	0
29	Optimal allocation of reliability improvement target under dependent component failures. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 0, 1748006X2110356.	0.6	0