

Paul L Goethals

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

205
citations

1039880

9
h-index

1058333

14
g-index

27
all docs

27
docs citations

27
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk and the Five Hard Problems of Cybersecurity. <i>Risk Analysis</i> , 2019, 39, 2119-2126.	1.5	28
2	The development of a robust design methodology for time-oriented dynamic quality characteristics with a target profile. <i>Quality and Reliability Engineering International</i> , 2011, 27, 403-414.	1.4	25
3	Solving the optimal process target problem using response surface designs in heteroscedastic conditions. <i>International Journal of Production Research</i> , 2011, 49, 3455-3478.	4.9	19
4	The development of a target-focused process capability index with multiple characteristics. <i>Quality and Reliability Engineering International</i> , 2011, 27, 297-311.	1.4	15
5	A case study: applying Lean Six Sigma concepts to design a more efficient airfoil extrusion shimming process. <i>International Journal of Six Sigma and Competitive Advantage</i> , 2011, 6, 173.	0.3	14
6	Experimental investigations of estimated response surface functions with different variability measures. <i>International Journal of Experimental Design and Process Optimisation</i> , 2009, 1, 123.	0.1	13
7	A review of scientific research in defensive cyberspace operation tools and technologies. <i>Journal of Cyber Security Technology</i> , 2019, 3, 1-46.	1.8	11
8	Reverse programming the optimal process mean problem to identify a factor space profile. <i>European Journal of Operational Research</i> , 2011, 215, 204-217.	3.5	10
9	Designing the optimal process mean vector for mixed multiple quality characteristics. <i>IIE Transactions</i> , 2012, 44, 1002-1021.	2.1	9
10	Using higher precision-based response surface designs to determine the optimal process target. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 13-30.	1.5	8
11	Robust parameter design in resource-constrained environments: An investigation of trade-offs between costs and precision within variable processes. <i>Applied Mathematical Modelling</i> , 2013, 37, 2394-2416.	2.2	8
12	The development of multi-response experimental designs for process parameter optimization. <i>International Journal of Quality and Reliability Management</i> , 2011, 28, 628-648.	1.3	7
13	Robust design modeling and optimization of a multi-response time series for a pharmaceutical process. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 1017-1031.	1.5	6
14	Evaluating mail-based security for electoral processes using attack trees. <i>Risk Analysis</i> , 2022, 42, 2327-2343.	1.5	6
15	Solving multi-response optimisation problems with enhanced precision. <i>International Journal of Industrial and Systems Engineering</i> , 2012, 11, 250.	0.1	4
16	Solving the optimal process target problem using computer-generated experimental designs. <i>European Journal of Industrial Engineering</i> , 2012, 6, 234.	0.5	3
17	Designing the optimal mean for an asymmetrically distributed process. <i>International Journal of Productivity and Quality Management</i> , 2012, 9, 82.	0.1	3
18	Integrating Customer Perception into Process Capability Measures. <i>Quality and Reliability Engineering International</i> , 2016, 32, 1331-1345.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Eliminating the Weakest Link Approach to Army Unit Readiness. <i>Decision Analysis</i> , 2018, 15, 110-130.	1.2	3
20	Achieving cost robustness in processes with mixed multiple quality characteristics and dynamic variability. <i>International Journal of Experimental Design and Process Optimisation</i> , 2011, 2, 243.	0.1	2
21	A comparative analysis of contemporary 155 mm artillery projectiles. <i>Journal of Defense Analytics and Logistics</i> , 2019, 3, 171-192.	0.4	2
22	Mathematics in Cyber Research. , 0, , .		2
23	Analysing the effects of variability measure selection on process and product optimisation. <i>International Journal of Quality Engineering and Technology</i> , 2011, 2, 254.	0.0	1
24	Higher-order response surface methods for nanomanufacturing process optimisation. <i>International Journal of Quality Engineering and Technology</i> , 2013, 3, 181.	0.0	1
25	The development of target-based posterior process capability indices and confidence intervals. <i>International Journal of Quality Engineering and Technology</i> , 2017, 6, 269.	0.0	1
26	Investigating estimation error reduction strategies in complex engineering systems. <i>International Journal of Data Analysis Techniques and Strategies</i> , 2014, 6, 43.	0.2	0