

# Paul L Goethals

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

149  
citations

8  
h-index

11  
g-index

27  
ext. papers

172  
ext. citations

1.9  
avg, IF

3.05  
L-index

#	Paper	IF	Citations
25	The development of a robust design methodology for time-oriented dynamic quality characteristics with a target profile. <i>Quality and Reliability Engineering International</i> , <b>2011</b> , 27, 403-414	2.6	20
24	Solving the optimal process target problem using response surface designs in heteroscedastic conditions. <i>International Journal of Production Research</i> , <b>2011</b> , 49, 3455-3478	7.8	18
23	The development of a target-focused process capability index with multiple characteristics. <i>Quality and Reliability Engineering International</i> , <b>2011</b> , 27, 297-311	2.6	15
22	Risk and the Five Hard Problems of Cybersecurity. <i>Risk Analysis</i> , <b>2019</b> , 39, 2119-2126	3.9	11
21	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> , <b>2011</b> , 6, 173	1.6	11
20	Reverse programming the optimal process mean problem to identify a factor space profile. <i>European Journal of Operational Research</i> , <b>2011</b> , 215, 204-217	5.6	10
19	Experimental investigations of estimated response surface functions with different variability measures. <i>International Journal of Experimental Design and Process Optimisation</i> , <b>2009</b> , 1, 123	0.1	10
18	Designing the optimal process mean vector for mixed multiple quality characteristics. <i>IIE Transactions</i> , <b>2012</b> , 44, 1002-1021		8
17	Robust parameter design in resource-constrained environments: An investigation of trade-offs between costs and precision within variable processes. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 2394-2416	4.5	7
16	A review of scientific research in defensive cyberspace operation tools and technologies. <i>Journal of Cyber Security Technology</i> , <b>2019</b> , 3, 1-46	1.3	6
15	The development of multi-response experimental designs for process parameter optimization. <i>International Journal of Quality and Reliability Management</i> , <b>2011</b> , 28, 628-648	2	6
14	Using higher precision-based response surface designs to determine the optimal process target. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 56, 13-30	3.2	6
13	Robust design modeling and optimization of a multi-response time series for a pharmaceutical process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 74, 1017-1031	3.2	4
12	Solving the optimal process target problem using computer-generated experimental designs. <i>European Journal of Industrial Engineering</i> , <b>2012</b> , 6, 234	1.1	3
11	Solving multi-response optimisation problems with enhanced precision. <i>International Journal of Industrial and Systems Engineering</i> , <b>2012</b> , 11, 250	0.4	3
10	Integrating Customer Perception into Process Capability Measures. <i>Quality and Reliability Engineering International</i> , <b>2016</b> , 32, 1331-1345	2.6	2
9	Eliminating the Weakest Link Approach to Army Unit Readiness. <i>Decision Analysis</i> , <b>2018</b> , 15, 110-130	1.2	2

8	Higher-order response surface methods for nanomanufacturing process optimisation. <i>International Journal of Quality Engineering and Technology</i> , <b>2013</b> , 3, 181	0.1	1
7	Analysing the effects of variability measure selection on process and product optimisation. <i>International Journal of Quality Engineering and Technology</i> , <b>2011</b> , 2, 254	0.1	1
6	Achieving cost robustness in processes with mixed multiple quality characteristics and dynamic variability. <i>International Journal of Experimental Design and Process Optimisation</i> , <b>2011</b> , 2, 243	0.1	1
5	Designing the optimal mean for an asymmetrically distributed process. <i>International Journal of Productivity and Quality Management</i> , <b>2012</b> , 9, 82	0.3	1
4	A Model for and Inventory of Cybersecurity Values: Metrics and Best Practices <b>2020</b> , 305-330		1
3	A comparative analysis of contemporary 155 mm artillery projectiles. <i>Journal of Defense Analytics and Logistics</i> , <b>2019</b> , 3, 171-192	0.4	1
2	The development of target-based posterior process capability indices and confidence intervals. <i>International Journal of Quality Engineering and Technology</i> , <b>2017</b> , 6, 269	0.1	0
1	Investigating estimation error reduction strategies in complex engineering systems. <i>International Journal of Data Analysis Techniques and Strategies</i> , <b>2014</b> , 6, 43	0.5	