

# Dong-Hee Lee

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1700940/dong-hee-lee-publications-by-year.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31 papers	321 citations	11 h-index	17 g-index
33 ext. papers	392 ext. citations	4 avg, IF	3.98 L-index

#	Paper	IF	Citations
31	EWMA-PRIM: Process optimization based on time-series process operational data using the exponentially weighted moving average and patient rule induction method. <i>Expert Systems With Applications</i> , <b>2022</b> , 195, 116606	7.8	1
30	An oversampling method for wafer map defect pattern classification considering small and imbalanced data. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 162, 107767	6.4	1
29	MR-CART: Multiresponse optimization using a classification and regression tree method. <i>Quality Engineering</i> , <b>2021</b> , 33, 457-473	1.4	1
28	Multistage MR-CART: Multiresponse optimization in a multistage process using a classification and regression tree method. <i>Computers and Industrial Engineering</i> , <b>2021</b> , 159, 107513	6.4	3
27	Approach to derive golden paths under time-varying machine performance in multistage manufacturing process. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 61, 77-86	9.1	
26	Multiresponse optimization of a multistage manufacturing process using a patient rule induction method. <i>Quality and Reliability Engineering International</i> , <b>2020</b> , 36, 1982-2002	2.6	2
25	A method of steepest ascent for multiresponse surface optimization using a desirability function method. <i>Quality and Reliability Engineering International</i> , <b>2020</b> , 36, 1931-1948	2.6	3
24	A pairwise comparison-based interactive procedure for the process capability approach to multiple-response surface optimization. <i>Engineering Optimization</i> , <b>2020</b> , 52, 1743-1760	2	0
23	Optimizing mean and variance of multiresponse in a multistage manufacturing process using operational data. <i>Quality Engineering</i> , <b>2020</b> , 32, 627-642	1.4	3
22	An integrated computational intelligence technique based operating parameters optimization scheme for quality improvement oriented process-manufacturing system. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 140, 106284	6.4	12
21	Ensemble deep learning based semi-supervised soft sensor modeling method and its application on quality prediction for coal preparation process. <i>Advanced Engineering Informatics</i> , <b>2020</b> , 46, 101136	7.4	16
20	Approach to derive golden paths based on machine sequence patterns in multistage manufacturing process. <i>Journal of Intelligent Manufacturing</i> , <b>2020</b> , 1	6.7	3
19	An inspection procedure for radio frequency repeaters using a multiple linear regression method. <i>Communications in Statistics - Theory and Methods</i> , <b>2020</b> , 49, 3137-3152	0.5	
18	A method for wafer assignment in semiconductor wafer fabrication considering both quality and productivity perspectives. <i>Journal of Manufacturing Systems</i> , <b>2019</b> , 52, 23-31	9.1	8
17	A data-driven approach to selection of critical process steps in the semiconductor manufacturing process considering missing and imbalanced data. <i>Journal of Manufacturing Systems</i> , <b>2019</b> , 52, 146-156	9.1	27
16	Generating evenly distributed nondominated solutions in dual response surface optimization. <i>Quality Technology and Quantitative Management</i> , <b>2019</b> , 16, 95-112	1.9	2
15	A desirability function method for optimizing mean and variability of multiple responses using a posterior preference articulation approach. <i>Quality and Reliability Engineering International</i> , <b>2018</b> , 34, 360-376	2.6	42

14	Dual-response optimization using a patient rule induction method. <i>Quality Engineering</i> , <b>2018</b> , 30, 610-620.	0.4	8
13	Multiresponse Optimization of Multistage Manufacturing Process Using a Patient Rule Induction Method. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 598-610	0.9	
12	Optimization of Mean and Standard Deviation of Multiple Responses Using Patient Rule Induction Method. <i>International Journal of Data Warehousing and Mining</i> , <b>2018</b> , 14, 60-74	1	5
11	Robust fuzzy programming method for MRO problems considering location effect, dispersion effect and model uncertainty. <i>Computers and Industrial Engineering</i> , <b>2017</b> , 105, 76-83	6.4	22
10	Multi-objective optimization of tungsten CMP slurry for advanced semiconductor manufacturing using a response surface methodology. <i>Materials and Design</i> , <b>2017</b> , 117, 131-138	8.1	20
9	Optimizing a blend of a mixture slurry in chemical mechanical planarization for advanced semiconductor manufacturing using a posterior preference articulation approach to dual response surface optimization. <i>Applied Stochastic Models in Business and Industry</i> , <b>2016</b> , 32, 648-659	1.1	5
8	A solution selection approach to multiresponse surface optimization based on a clustering method. <i>Quality Engineering</i> , <b>2016</b> , 28, 388-401	1.4	9
7	Determining the target value of ACICD to optimize the electrical characteristics of semiconductors using dual response surface optimization. <i>Applied Stochastic Models in Business and Industry</i> , <b>2013</b> , 29, 377-386	1.1	13
6	Interactive weighting of bias and variance in dual response surface optimization. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 5900-5906	7.8	23
5	An interactive method to multiresponse surface optimization based on pairwise comparisons. <i>IIE Transactions</i> , <b>2012</b> , 44, 13-26		25
4	A posterior preference articulation approach to multiresponse surface optimization. <i>European Journal of Operational Research</i> , <b>2011</b> , 210, 301-309	5.6	37
3	A posterior preference articulation approach to dual-response-surface optimization. <i>IIE Transactions</i> , <b>2009</b> , 42, 161-171		28
2	A two-stage automatic labeling method for detecting abnormal food items in X-ray images. <i>Journal of Food Measurement and Characterization</i> , 1	2.8	1
1	Optimizing the mean and variance of bead geometry in the wire + arc additive manufacturing using a desirability function method. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	0