Dong-Hee Lee

List of Publications by Citations

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	A desirability function method for optimizing mean and variability of multiple responses using a posterior preference articulation approach. *Quality and Reliability Engineering International*, **2018**, 34, 360-376	2.6	42
30	A posterior preference articulation approach to multiresponse surface optimization. *European Journal of Operational Research*, **2011**, 210, 301-309	5.6	37
29	A posterior preference articulation approach to dual-response-surface optimization. *IIE Transactions*, **2009**, 42, 161-171		28
28	A data-driven approach to selection of critical process steps in the semiconductor manufacturing process considering missing and imbalanced data. *Journal of Manufacturing Systems*, **2019**, 52, 146-156	9.1	27
27	An interactive method to multiresponse surface optimization based on pairwise comparisons. *IIE Transactions*, **2012**, 44, 13-26		25
26	Interactive weighting of bias and variance in dual response surface optimization. *Expert Systems With Applications*, **2012**, 39, 5900-5906	7.8	23
25	Robust fuzzy programming method for MRO problems considering location effect, dispersion effect and model uncertainty. *Computers and Industrial Engineering*, **2017**, 105, 76-83	6.4	22
24	Multi-objective optimization of tungsten CMP slurry for advanced semiconductor manufacturing using a response surface methodology. *Materials and Design*, **2017**, 117, 131-138	8.1	20
23	Ensemble deep learning based semi-supervised soft sensor modeling method and its application on quality prediction for coal preparation process. *Advanced Engineering Informatics*, **2020**, 46, 101136	7.4	16
22	Determining the target value of ACICD to optimize the electrical characteristics of semiconductors using dual response surface optimization. *Applied Stochastic Models in Business and Industry*, **2013**, 29, 377-386	1.1	13
21	An integrated computational intelligence technique based operating parameters optimization scheme for quality improvement oriented process-manufacturing system. *Computers and Industrial Engineering*, **2020**, 140, 106284	6.4	12
20	A solution selection approach to multiresponse surface optimization based on a clustering method. *Quality Engineering*, **2016**, 28, 388-401	1.4	9
19	A method for wafer assignment in semiconductor wafer fabrication considering both quality and productivity perspectives. *Journal of Manufacturing Systems*, **2019**, 52, 23-31	9.1	8
18	Dual-response optimization using a patient rule induction method. *Quality Engineering*, **2018**, 30, 610-620	1.4	8
17	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. *Applied Stochastic Models in Business and Industry*, **2016**, 32, 648-659	1.1	5
16	Optimization of Mean and Standard Deviation of Multiple Responses Using Patient Rule Induction Method. *International Journal of Data Warehousing and Mining*, **2018**, 14, 60-74	1	5
15	A method of steepest ascent for multiresponse surface optimization using a desirability function method. *Quality and Reliability Engineering International*, **2020**, 36, 1931-1948	2.6	3

List of Publications

14	Optimizing mean and variance of multiresponse in a multistage manufacturing process using operational data. *Quality Engineering*, **2020**, 32, 627-642	1.4	3
13	Approach to derive golden paths based on machine sequence patterns in multistage manufacturing process. *Journal of Intelligent Manufacturing*, **2020**, 1	6.7	3
12	Multistage MR-CART: Multiresponse optimization in a multistage process using a classification and regression tree method. *Computers and Industrial Engineering*, **2021**, 159, 107513	6.4	3
11	Multiresponse optimization of a multistage manufacturing process using a patient rule induction method. *Quality and Reliability Engineering International*, **2020**, 36, 1982-2002	2.6	2
10	Generating evenly distributed nondominated solutions in dual response surface optimization. *Quality Technology and Quantitative Management*, **2019**, 16, 95-112	1.9	2
9	EWMA-PRIM: Process optimization based on time-series process operational data using the exponentially weighted moving average and patient rule induction method. *Expert Systems With Applications*, **2022**, 195, 116606	7.8	1
8	An oversampling method for wafer map defect pattern classification considering small and imbalanced data. *Computers and Industrial Engineering*, **2021**, 162, 107767	6.4	1
7	MR-CART: Multiresponse optimization using a classification and regression tree method. *Quality Engineering*, **2021**, 33, 457-473	1.4	1
6	A two-stage automatic labeling method for detecting abnormal food items in X-ray images. *Journal of Food Measurement and Characterization*,1	2.8	1
5	A pairwise comparison-based interactive procedure for the process capability approach to multiple-response surface optimization. *Engineering Optimization*, **2020**, 52, 1743-1760	2	0
4	Optimizing the mean and variance of bead geometry in the wire + arc additive manufacturing using a desirability function method. *International Journal of Advanced Manufacturing Technology*,1	3.2	0
3	Multiresponse Optimization of Multistage Manufacturing Process Using a Patient Rule Induction Method. *Lecture Notes in Computer Science*, **2018**, 598-610	0.9	
2	An inspection procedure for radio frequency repeaters using a multiple linear regression method. *Communications in Statistics - Theory and Methods*, **2020**, 49, 3137-3152	0.5	
1	Approach to derive golden paths under time-varying machine performance in multistage manufacturing process. *Journal of Manufacturing Systems*, **2021**, 61, 77-86	9.1	