

Tsang-Chuan Chang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1513698/publications.pdf>

Version: 2024-02-01

31
papers

520
citations

686830

13
h-index

676716

22
g-index

31
all docs

31
docs citations

31
times ranked

134
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The construction and application of Six Sigma quality indices. International Journal of Production Research, 2017, 55, 2365-2384. | 4.9 | 58 |
| 2 | Quality evaluation of internal cylindrical grinding process with multiple quality characteristics for gear products. International Journal of Production Research, 2019, 57, 6687-6701. | 4.9 | 45 |
| 3 | A novel approach to deriving the lower confidence limit of indices C_{pu} , C_{pl} , and C_{pk} in assessing process capability. International Journal of Production Research, 2017, 55, 4963-4981. | 4.9 | 40 |
| 4 | Capability performance analysis for processes with multiple characteristics using accuracy and precision. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 766-776. | 1.5 | 34 |
| 5 | A mathematical programming model for constructing the confidence interval of process capability index C_{pm} in evaluating process performance: an example of five-way pipe. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2017, 40, 126-133. | 0.6 | 29 |
| 6 | Sputtering Process Assessment of ITO Film for Multiple Quality Characteristics With One-Sided and Two-Sided Specifications. Journal of Testing and Evaluation, 2014, 42, 20130054. | 0.4 | 29 |
| 7 | Construction and fuzzy hypothesis testing of Taguchi Six Sigma quality index. International Journal of Production Research, 2020, 58, 3110-3125. | 4.9 | 26 |
| 8 | Testing process quality of wire bonding with multiple gold wires from viewpoint of producers. International Journal of Production Research, 2019, 57, 5400-5413. | 4.9 | 24 |
| 9 | Process-Quality Evaluation for Wire Bonding With Multiple Gold Wires. IEEE Access, 2020, 8, 106075-106082. | 2.6 | 23 |
| 10 | Determining critical service quality from the view of performance influence. Total Quality Management and Business Excellence, 2015, 26, 368-384. | 2.4 | 22 |
| 11 | Process Quality Assessment Model of Hand Tools: A Case Study on the Handle of Ratchet Torque Wrench. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1650017. | 0.4 | 21 |
| 12 | An application of DMADV methodology for increasing the yield rate of surveillance cameras. Microelectronics Reliability, 2010, 50, 266-272. | 0.9 | 19 |
| 13 | Developing a quality-based supplier selection model from the buying company perspective. Quality Technology and Quantitative Management, 2020, , 1-18. | 1.1 | 18 |
| 14 | Developing control charts in monitoring service quality based on the number of customer complaints. Total Quality Management and Business Excellence, 2015, 26, 675-689. | 2.4 | 15 |
| 15 | Fuzzy assessment model to judge quality level of machining processes involving bilateral tolerance using crisp data. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2021, 44, 1-10. | 0.6 | 14 |
| 16 | Application of DMAIC process to enhance health effects in caring institution. Quality and Quantity, 2013, 47, 2065-2080. | 2.0 | 11 |
| 17 | Selecting an optimal contractor for production outsourcing: a case study of gear grinding. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2020, 43, 415-424. | 0.6 | 11 |
| 18 | Fuzzy testing model for the lifetime performance of products under consideration with exponential distribution. Annals of Operations Research, 2020, , 1. | 2.6 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Developing an Outsourcing Partner Selection Model for Process with Two-Sided Specification Using Capability Index and Manufacturing Time Performance Index. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2019, 26, 1950015. | 0.4 | 9 |
| 20 | A fuzzy approach to determine process quality for one-sided specification with imprecise data. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2020, 234, 1198-1206. | 1.5 | 9 |
| 21 | Analyzing processing quality of machine tools via processed product: Example of ball valve processing machine. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020, 234, 331-341. | 1.4 | 9 |
| 22 | A Novel Approach to Evaluating the Performance of Physical Fitness by Combining Statistical Inference with the Radar Chart. <i>Journal of Testing and Evaluation</i> , 2018, 46, 1498-1507. | 0.4 | 8 |
| 23 | Evaluating the Performance of Physical Fitness by Statistical Inference of Physical Fitness Index. <i>Journal of Testing and Evaluation</i> , 2017, 45, 2200-2208. | 0.4 | 7 |
| 24 | Fuzzy judgement model for assessment of improvement effectiveness to performance of processing characteristics. <i>International Journal of Production Research</i> , 2023, 61, 1591-1605. | 4.9 | 7 |
| 25 | Statistical Test of Two Taguchi Six-Sigma Quality Indices to Select the Supplier with Optimal Processing Quality. <i>Journal of Testing and Evaluation</i> , 2022, 50, 674-688. | 0.4 | 5 |
| 26 | Decision-Making for the Selection of Suppliers Based on the Process Quality Assessment. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2020, 27, 2050016. | 0.4 | 4 |
| 27 | A Modified Approach for Six Sigma Quality Assessment of Product with Multiple Characteristics in Intelligent Manufacturing Environments. <i>Journal of Testing and Evaluation</i> , 2021, 49, 3035-3053. | 0.4 | 4 |
| 28 | Fuzzy process capability analysis for machined product with multiple characteristics of symmetric tolerance. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2023, 237, 691-702. | 1.5 | 4 |
| 29 | A Novel Approach Based on Performance Influence for Evaluating Criteria of Service Quality. <i>Journal of Testing and Evaluation</i> , 2015, 43, 20130259. | 0.4 | 3 |
| 30 | Developing a Discriminant Index to Determine Critical Service Attributes of Continuous Performance Improvement. <i>Journal of Service Science Research</i> , 2018, 10, 145-165. | 0.8 | 1 |
| 31 | Supplier Selection by Fuzzy Assessment and Testing for Process Quality under Consideration with Data Imprecision. <i>Mathematics</i> , 2020, 8, 1420. | 1.1 | 1 |