

Shahrul Kamaruddin

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,768
citations

471509

17
h-index

289244

40
g-index

79
all docs

79
docs citations

79
times ranked

1644
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Curve Fitting for Damage Evolution through Regression Analysis for the Kachanovâ€“Rabotnov Model to the Nortonâ€“Bailey Creep Law of SS-316 Material. <i>Materials</i> , 2021, 14, 5518. | 2.9 | 5 |
| 2 | Reclamation of steel shots by acid leaching for powder metallurgy applications. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401986696. | 1.6 | 0 |
| 3 | An integrated model for process parameter adjustment to recover throughput shortage in semiconductor assembly: A case study. <i>Journal of Industrial Engineering and Management</i> , 2019, 12, 340. | 1.5 | 0 |
| 4 | Modified short-run statistical process control for test and measurement process. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1531-1548. | 3.0 | 4 |
| 5 | Automating computer simulation and statistical analysis in production planning and control research. <i>International Journal of Computers and Applications</i> , 2018, 40, 25-41. | 1.3 | 0 |
| 6 | PDC cutter optimization using response surface methodology with orthogonal arrays. <i>AIP Conference Proceedings</i> , 2018, , . | 0.4 | 0 |
| 7 | Optimization of Recycled Glass Fibre-Reinforced Plastics Gear via Integration of the Taguchi Method and Grey Relational Analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 318, 012061. | 0.6 | 3 |
| 8 | Structured maintenance engineering policy development based on a production machine process perspective. <i>Journal of Quality in Maintenance Engineering</i> , 2017, 23, 180-194. | 1.7 | 3 |
| 9 | Preventive maintenance (PM) planning: a review. <i>Journal of Quality in Maintenance Engineering</i> , 2017, 23, 114-143. | 1.7 | 108 |
| 10 | The use of response surface methodology (RSM) to optimize the acid digestion parameters in fiber volume fraction test of aircraft composite structures. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 3739-3748. | 3.0 | 13 |
| 11 | PRACTICAL PRODUCTION LAYOUT DESIGN FOR MULTI-PRODUCT AND SMALL-LOT-SIZE PRODUCTION: A CASE STUDY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, . | 0.4 | 0 |
| 12 | An integrated simulation with design on experiment approach for shop floor improvement solution selections. <i>European Journal of Industrial Engineering</i> , 2016, 10, 479. | 0.8 | 2 |
| 13 | Application of re-layout approach for cellular layout in manual assembly process. <i>International Journal of Services and Operations Management</i> , 2016, 24, 167. | 0.2 | 1 |
| 14 | ESTABLISHING AN OPTIMAL QUALITY PLANNING DECISION THROUGH DISCRETE EVENT SIMULATION: ANALYSIS CASE STUDY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, . | 0.4 | 1 |
| 15 | Improvement process selection framework for the formation of improvement solution alternatives. <i>International Journal of Productivity and Performance Management</i> , 2015, 64, 702-722. | 3.7 | 6 |
| 16 | Categorisation of process improvement models from a conceptual perspective. <i>International Journal of Process Management and Benchmarking</i> , 2015, 5, 113. | 0.2 | 5 |
| 17 | Numerical assessment on makespan minimization by adopting NEH heuristics in permutation flow shop. , 2015, , . | | 0 |
| 18 | Maintenance policy optimizationâ€“literature review and directions. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 1263-1283. | 3.0 | 163 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Assessment of distance-based multi-attribute group decision-making methods from a maintenance strategy perspective. <i>Journal of Industrial Engineering International</i> , 2015, 11, 73-85. | 1.8 | 15 |
| 20 | Assessing Halal logistics competence: An Islamic-based and resource-based view. , 2015, , . | | 7 |
| 21 | The effects of organizational innovation on operational performance and other types of innovation. , 2015, , . | | 1 |
| 22 | The Role of Industrial Clustering and Manufacturing Flexibility in Achieving High Innovation Capability and Operational Performance in Indonesian Manufacturing SMEs. <i>Industrial Engineering and Management Systems</i> , 2015, 14, 236-247. | 0.4 | 7 |
| 23 | EVALUATION ON ABSENTEEISM EFFECT IN PRODUCTION LINE AT AIRCRAFT COMPOSITE MANUFACTURER. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, . | 0.4 | 0 |
| 24 | Hybrid Integration of Taguchi Parametric Design, Grey Relational Analysis, and Principal Component Analysis Optimization for Plastic Gear Production. <i>Chinese Journal of Engineering</i> , 2014, 2014, 1-11. | 1.0 | 20 |
| 25 | Analysis of Shop Floor Performance through Discrete Event Simulation: A Case Study. <i>Journal of Industrial Engineering</i> , 2014, 2014, 1-10. | 0.6 | 6 |
| 26 | Measurement of Overall Performance Effectiveness in Setup Improvement. <i>Journal of Industrial Engineering</i> , 2014, 2014, 1-7. | 0.6 | 6 |
| 27 | Manufacturing Flexibility and Operational Performance: Empirical Evidence in Manufacturing SMEs. <i>Applied Mechanics and Materials</i> , 2014, 660, 966-970. | 0.2 | 0 |
| 28 | Opportunistic maintenance (OM) as a new advancement in maintenance approaches. <i>Journal of Quality in Maintenance Engineering</i> , 2014, 20, 98-121. | 1.7 | 66 |
| 29 | Development of a model for optimal maintenance policy selection. <i>European Journal of Industrial Engineering</i> , 2014, 8, 50. | 0.8 | 21 |
| 30 | Maintenance policy selection model "a case study in the palm oil industry. <i>Journal of Manufacturing Technology Management</i> , 2014, 25, 415-435. | 6.4 | 32 |
| 31 | A case study of grouping machines based on failure components planning model. <i>International Journal of Industrial and Systems Engineering</i> , 2014, 18, 31. | 0.2 | 2 |
| 32 | Optimized Injection Molding of Unfilled and Glass Filled PA6 Gears. <i>International Journal of Manufacturing Engineering</i> , 2014, 2014, 1-8. | 0.8 | 3 |
| 33 | House of Improvement Model to Enhance Prioritisation of Solutions in Decision Making: a Case Study. <i>International Journal of Engineering, Transactions B: Applications</i> , 2014, 27, . | 0.7 | 2 |
| 34 | Inspection of ultrasonic welding for thermoplastic materials joining. , 2013, , . | | 3 |
| 35 | The impact of variety of orders and different number of workers on production scheduling performance. <i>Journal of Manufacturing Technology Management</i> , 2013, 24, 1123-1142. | 6.4 | 4 |
| 36 | Development of maintenance policy evaluation model: a case study of the semiconductor industry for achieving production demand. <i>International Journal of Logistics Systems and Management</i> , 2013, 15, 405. | 0.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Importance of Problem Statement in Solving Industry Problems. Applied Mechanics and Materials, 2013, 421, 857-863. | 0.2 | 3 |
| 38 | Reduction of response time during machine breakdown: a case study in semiconductor industry. International Journal of Logistics Systems and Management, 2013, 16, 167. | 0.2 | 5 |
| 39 | Modeling and Analysis of Injection Moulding Process Parameters for Plastic Gear Industry Application. ISRN Industrial Engineering, 2013, 2013, 1-10. | 0.6 | 25 |
| 40 | Practical Applications of Taguchi Method for Optimization of Processing Parameters for Plastic Injection Moulding: A Retrospective Review. ISRN Industrial Engineering, 2013, 2013, 1-11. | 0.6 | 68 |
| 41 | Improving the Performance of Reprocessed ABS Products from the Manufacturing Perspective via the Taguchi Method. International Journal of Manufacturing Engineering, 2013, 2013, 1-9. | 0.8 | 8 |
| 42 | Modeling of Aircraft Composite Parts Using Simulation. Advanced Materials Research, 2012, 591-593, 557-560. | 0.3 | 2 |
| 43 | Maintenance policy selection: a review towards building proper selection model. International Journal of Industrial and Systems Engineering, 2012, 10, 355. | 0.2 | 12 |
| 44 | Failure analysis of machinery component by considering external factors and multiple failure modes – A case study in the processing industry. Engineering Failure Analysis, 2012, 25, 182-192. | 4.0 | 29 |
| 45 | Lean production in manual assembly line — A case study. , 2012, , . | | 0 |
| 46 | Quality control and design optimisation of plastic product using Taguchi method: a comprehensive review. International Journal of Plastics Technology, 2012, 16, 194-209. | 3.1 | 26 |
| 47 | A review of condition-based maintenance decision-making. European Journal of Industrial Engineering, 2012, 6, 519. | 0.8 | 45 |
| 48 | Influence of slab milling process parameters on surface integrity of HSLA: a multi-performance characteristics optimization. International Journal of Advanced Manufacturing Technology, 2012, 61, 859-871. | 3.0 | 25 |
| 49 | An overview of time-based and condition-based maintenance in industrial application. Computers and Industrial Engineering, 2012, 63, 135-149. | 6.3 | 625 |
| 50 | Investigating the Effects of Injection Molding Parameters on the Mechanical Properties of Recycled Plastic Parts Using the Taguchi Method. Materials and Manufacturing Processes, 2011, 26, 202-209. | 4.7 | 45 |
| 51 | Workforce competency model (WFCM). International Journal of Productivity and Performance Management, 2011, 61, 24-45. | 3.7 | 2 |
| 52 | Preventive replacement schedule: a case study at a processing industry. International Journal of Industrial and Systems Engineering, 2011, 8, 386. | 0.2 | 7 |
| 53 | The effect of layout design on productivity: an empirical study. International Journal of Productivity and Quality Management, 2011, 7, 484. | 0.2 | 14 |
| 54 | Optimization of mechanical properties of recycled plastic products via optimal processing parameters using the Taguchi method. Journal of Materials Processing Technology, 2011, 211, 1989-1994. | 6.3 | 85 |

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|----|---|-----|-----------|
| 55 | Maintenance decisions making method for repairable system by using output-based maintenance technique: A case study at pulp manufacturing industry. , 2011, , . | | 2 |
| 56 | Multi-Response Optimization of Injection Moulding Processing Parameters Using the Taguchi Method. Polymer-Plastics Technology and Engineering, 2011, 50, 1519-1526. | 1.9 | 29 |
| 57 | Development of autonomous maintenance implementation framework for semiconductor industries. International Journal of Industrial and Systems Engineering, 2011, 9, 268. | 0.2 | 18 |
| 58 | Implementation of the Workforce Competency Model for assessing maintenance workers' performance. International Journal of Productivity and Quality Management, 2011, 7, 440. | 0.2 | 6 |
| 59 | Quality characteristic improvement of an injection moulding product made from blends plastic by optimizing the injection moulding parameters using Taguchi method. International Journal of Plastics Technology, 2010, 14, 152-166. | 3.1 | 8 |
| 60 | Feasibility study of use of recycled High Density Polyethylene and multi response optimization of injection moulding parameters using combined grey relational and principal component analyses. Materials & Design, 2010, 31, 2925-2931. | 5.1 | 67 |
| 61 | A Study on the Effect of Epoxy Molding Compound (EMC) Rheology During Encapsulation of Stacked-CHIP Scale Packages (S-CSP). Journal of Reinforced Plastics and Composites, 2009, 28, 2527-2538. | 3.1 | 25 |
| 62 | ISO 13485:2003. TQM Journal, 2009, 21, 6-19. | 3.3 | 7 |
| 63 | Modeling of vial and ball motions for an effective mechanical milling process. Journal of Materials Processing Technology, 2009, 209, 4312-4319. | 6.3 | 17 |
| 64 | Development of Human Reliability Model for Evaluating Maintenance Workforce Reliability: A Case Study in Electronic Packaging Industry. , 2008, , . | | 0 |
| 65 | Failure analysis for Copper Wire Bonding process from machine perspective. , 2008, , . | | 2 |
| 66 | Implementation of dust control system using management and planning tools (MPT). Management of Environmental Quality, 2006, 17, 390-408. | 4.3 | 3 |
| 67 | Application of Autosched AP Simulation Model in Wafer Fab. , 2006, , . | | 0 |
| 68 | External Setup in SMED Improvement in an Injection Molding Manufacturing Company. Applied Mechanics and Materials, 0, 229-231, 2551-2555. | 0.2 | 2 |
| 69 | A Study of Hybrid Optimization of Injection Moulding Process Parameters for Plastic Gear. Advanced Materials Research, 0, 591-593, 2135-2138. | 0.3 | 12 |
| 70 | Implementation of Decision Tree for Maintenance Policy Decision Making - A Case Study in Semiconductor Industry. Advanced Materials Research, 0, 591-593, 704-707. | 0.3 | 7 |
| 71 | Implementation of Autonomous Maintenance in Semiconductor Industry: A Case Study. Advanced Materials Research, 0, 591-593, 708-711. | 0.3 | 2 |
| 72 | Evolution of Triz Application for Manufacturing Industries. Applied Mechanics and Materials, 0, 330, 760-767. | 0.2 | 2 |

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|----|--|-----|-----------|
| 73 | Preventive Maintenance Checklist towards Effective Maintenance System: A Case Study in Semiconductor Industry. <i>Advanced Materials Research</i> , 0, 748, 1208-1211. | 0.3 | 1 |
| 74 | Production System Improvement by Integration of FMEA with 5-Whys Analysis. <i>Advanced Materials Research</i> , 0, 748, 1203-1207. | 0.3 | 5 |
| 75 | Investigating the Effects of Injection Moulding Process Parameters on Multiple Tensile Characteristics of Plastic Spur Gear via Experimental Approach. <i>Advanced Materials Research</i> , 0, 748, 544-548. | 0.3 | 2 |
| 76 | Void Content Determination of Fiber Reinforced Polymers by Acid Digestion Method. <i>Advanced Materials Research</i> , 0, 795, 64-68. | 0.3 | 7 |
| 77 | Multiple Reprocessing of Gear Using Recycled Polypropylene. <i>Applied Mechanics and Materials</i> , 0, 660, 204-208. | 0.2 | 1 |
| 78 | Problem Solving Methodology in Industry. <i>Applied Mechanics and Materials</i> , 0, 533, 510-515. | 0.2 | 0 |
| 79 | Investigating the Effects of Blending Ratio and Injection Parameters on the Tensile Properties of Glass Fiber-Filled Nylon 66 Composite Gear. <i>Applied Mechanics and Materials</i> , 0, 548-549, 43-47. | 0.2 | 4 |