

Shahrul Kamaruddin

List of Publications by Year in descending order

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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	An overview of time-based and condition-based maintenance in industrial application. Computers and Industrial Engineering, 2012, 63, 135-149.	6.3	625
2	Maintenance policy optimizationâ€™literature review and directions. International Journal of Advanced Manufacturing Technology, 2015, 76, 1263-1283.	3.0	163
3	Preventive maintenance (PM) planning: a review. Journal of Quality in Maintenance Engineering, 2017, 23, 114-143.	1.7	108
4	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
5	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
6	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
7	Opportunistic maintenance (OM) as a new advancement in maintenance approaches. Journal of Quality in Maintenance Engineering, 2014, 20, 98-121.	1.7	66
8	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
9	A review of condition-based maintenance decision-making. European Journal of Industrial Engineering, 2012, 6, 519.	0.8	45
10	Maintenance policy selection model â€™ a case study in the palm oil industry. Journal of Manufacturing Technology Management, 2014, 25, 415-435.	6.4	32
11	Multi-Response Optimization of Injection Moulding Processing Parameters Using the Taguchi Method. Polymer-Plastics Technology and Engineering, 2011, 50, 1519-1526.	1.9	29
12	Failure analysis of machinery component by considering external factors and multiple failure modes â€™ A case study in the processing industry. Engineering Failure Analysis, 2012, 25, 182-192.	4.0	29
13	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
14	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
15	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
16	Modeling and Analysis of Injection Moulding Process Parameters for Plastic Gear Industry Application. ISRN Industrial Engineering, 2013, 2013, 1-10.	0.6	25
17	Development of a model for optimal maintenance policy selection. European Journal of Industrial Engineering, 2014, 8, 50.	0.8	21
18	Hybrid Integration of Taguchi Parametric Design, Grey Relational Analysis, and Principal Component Analysis Optimization for Plastic Gear Production. Chinese Journal of Engineering, 2014, 2014, 1-11.	1.0	20

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19	Development of autonomous maintenance implementation framework for semiconductor industries. International Journal of Industrial and Systems Engineering, 2011, 9, 268.	0.2	18
20	Modeling of vial and ball motions for an effective mechanical milling process. Journal of Materials Processing Technology, 2009, 209, 4312-4319.	6.3	17
21	Assessment of distance-based multi-attribute group decision-making methods from a maintenance strategy perspective. Journal of Industrial Engineering International, 2015, 11, 73-85.	1.8	15
22	The effect of layout design on productivity: an empirical study. International Journal of Productivity and Quality Management, 2011, 7, 484.	0.2	14
23	The use of response surface methodology (RSM) to optimize the acid digestion parameters in fiber volume fraction test of aircraft composite structures. International Journal of Advanced Manufacturing Technology, 2017, 90, 3739-3748.	3.0	13
24	A Study of Hybrid Optimization of Injection Moulding Process Parameters for Plastic Gear. Advanced Materials Research, 0, 591-593, 2135-2138.	0.3	12
25	Maintenance policy selection: a review towards building proper selection model. International Journal of Industrial and Systems Engineering, 2012, 10, 355.	0.2	12
26	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
27	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
28	ISO 13485:2003. TQM Journal, 2009, 21, 6-19.	3.3	7
29	Preventive replacement schedule: a case study at a processing industry. International Journal of Industrial and Systems Engineering, 2011, 8, 386.	0.2	7
30	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
31	Void Content Determination of Fiber Reinforced Polymers by Acid Digestion Method. Advanced Materials Research, 0, 795, 64-68.	0.3	7
32	Assessing Halal logistics competence: An Islamic-based and resource-based view. , 2015, , .		7
33	The Role of Industrial Clustering and Manufacturing Flexibility in Achieving High Innovation Capability and Operational Performance in Indonesian Manufacturing SMEs. Industrial Engineering and Management Systems, 2015, 14, 236-247.	0.4	7
34	Implementation of the Workforce Competency Model for assessing maintenance workers' performance. International Journal of Productivity and Quality Management, 2011, 7, 440.	0.2	6
35	Analysis of Shop Floor Performance through Discrete Event Simulation: A Case Study. Journal of Industrial Engineering, 2014, 2014, 1-10.	0.6	6
36	Measurement of Overall Performance Effectiveness in Setup Improvement. Journal of Industrial Engineering, 2014, 2014, 1-7.	0.6	6

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37	Improvement process selection framework for the formation of improvement solution alternatives. International Journal of Productivity and Performance Management, 2015, 64, 702-722.	3.7	6
38	Production System Improvement by Integration of FMEA with 5-Whys Analysis. Advanced Materials Research, 0, 748, 1203-1207.	0.3	5
39	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
40	Categorisation of process improvement models from a conceptual perspective. International Journal of Process Management and Benchmarking, 2015, 5, 113.	0.2	5
41	Curve Fitting for Damage Evolution through Regression Analysis for the Kachanovâ€Rabotnov Model to the Nortonâ€Bailey Creep Law of SS-316 Material. Materials, 2021, 14, 5518.	2.9	5
42	The impact of variety of orders and different number of workers on production scheduling performance. Journal of Manufacturing Technology Management, 2013, 24, 1123-1142.	6.4	4
43	Development of maintenance policy evaluation model: a case study of the semiconductor industry for achieving production demand. International Journal of Logistics Systems and Management, 2013, 15, 405.	0.2	4
44	Investigating the Effects of Blending Ratio and Injection Parameters on the Tensile Properties of Glass Fiber-Filled Nylon 66 Composite Gear. Applied Mechanics and Materials, 0, 548-549, 43-47.	0.2	4
45	Modified short-run statistical process control for test and measurement process. International Journal of Advanced Manufacturing Technology, 2019, 100, 1531-1548.	3.0	4
46	Implementation of dust control system using management and planning tools (MPT). Management of Environmental Quality, 2006, 17, 390-408.	4.3	3
47	Inspection of ultrasonic welding for thermoplastic materials joining. , 2013, , .		3
48	Importance of Problem Statement in Solving Industry Problems. Applied Mechanics and Materials, 2013, 421, 857-863.	0.2	3
49	Structured maintenance engineering policy development based on a production machine process perspective. Journal of Quality in Maintenance Engineering, 2017, 23, 180-194.	1.7	3
50	Optimization of Recycled Glass Fibre-Reinforced Plastics Gear via Integration of the Taguchi Method and Grey Relational Analysis. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012061.	0.6	3
51	Optimized Injection Molding of Unfilled and Glass Filled PA6 Gears. International Journal of Manufacturing Engineering, 2014, 2014, 1-8.	0.8	3
52	Failure analysis for Copper Wire Bonding process from machine perspective. , 2008, , .		2
53	Workforce competency model (WFCM). International Journal of Productivity and Performance Management, 2011, 61, 24-45.	3.7	2
54	Maintenance decisions making method for repairable system by using output-based maintenance technique: A case study at pulp manufacturing industry. , 2011, , .		2

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55	External Setup in SMED Improvement in an Injection Molding Manufacturing Company. Applied Mechanics and Materials, 0, 229-231, 2551-2555.	0.2	2
56	Modeling of Aircraft Composite Parts Using Simulation. Advanced Materials Research, 2012, 591-593, 557-560.	0.3	2
57	Implementation of Autonomous Maintenance in Semiconductor Industry: A Case Study. Advanced Materials Research, 0, 591-593, 708-711.	0.3	2
58	Evolution of Triz Application for Manufacturing Industries. Applied Mechanics and Materials, 0, 330, 760-767.	0.2	2
59	Investigating the Effects of Injection Moulding Process Parameters on Multiple Tensile Characteristics of Plastic Spur Gear via Experimental Approach. Advanced Materials Research, 0, 748, 544-548.	0.3	2
60	A case study of grouping machines based on failure components planning model. International Journal of Industrial and Systems Engineering, 2014, 18, 31.	0.2	2
61	An integrated simulation with design on experiment approach for shop floor improvement solution selections. European Journal of Industrial Engineering, 2016, 10, 479.	0.8	2
62	House of Improvement Model to Enhance Prioritisation of Solutions in Decision Making: a Case Study. International Journal of Engineering, Transactions B: Applications, 2014, 27, .	0.7	2
63	Preventive Maintenance Checklist towards Effective Maintenance System: A Case Study in Semiconductor Industry. Advanced Materials Research, 0, 748, 1208-1211.	0.3	1
64	Multiple Reprocessing of Gear Using Recycled Polypropylene. Applied Mechanics and Materials, 0, 660, 204-208.	0.2	1
65	The effects of organizational innovation on operational performance and other types of innovation. , 2015, , .		1
66	Application of re-layout approach for cellular layout in manual assembly process. International Journal of Services and Operations Management, 2016, 24, 167.	0.2	1
67	ESTABLISHING AN OPTIMAL QUALITY PLANNING DECISION THROUGH DISCRETE EVENT SIMULATION: ANALYSIS CASE STUDY. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
68	Application of Autosched AP Simulation Model in Wafer Fab. , 2006, , .		0
69	Development of Human Reliability Model for Evaluating Maintenance Workforce Reliability: A Case Study in Electronic Packaging Industry. , 2008, , .		0
70	Lean production in manual assembly line — A case study. , 2012, , .		0
71	Problem Solving Methodology in Industry. Applied Mechanics and Materials, 0, 533, 510-515.	0.2	0
72	Manufacturing Flexibility and Operational Performance: Empirical Evidence in Manufacturing SMEs. Applied Mechanics and Materials, 2014, 660, 966-970.	0.2	0

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73	Numerical assessment on makespan minimization by adopting NEH heuristics in permutation flow shop. , 2015, , .		0
74	PRACTICAL PRODUCTION LAYOUT DESIGN FOR MULTI-PRODUCT AND SMALL-LOT-SIZE PRODUCTION: A CASE STUDY. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
75	Automating computer simulation and statistical analysis in production planning and control research. International Journal of Computers and Applications, 2018, 40, 25-41.	1.3	0
76	PDC cutter optimization using response surface methodology with orthogonal arrays. AIP Conference Proceedings, 2018, , .	0.4	0
77	Reclamation of steel shots by acid leaching for powder metallurgy applications. Advances in Mechanical Engineering, 2019, 11, 168781401986696.	1.6	0
78	An integrated model for process parameter adjustment to recover throughput shortage in semiconductor assembly: A case study. Journal of Industrial Engineering and Management, 2019, 12, 340.	1.5	0
79	EVALUATION ON ABSENTEEISM EFFECT IN PRODUCTION LINE AT AIRCRAFT COMPOSITE MANUFACTURER. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0