Mohd Fahrul Hassan

List of Publications by Year
in descending order

60 papers	217 citations	1307594 7 h-index	1199594 12 g-index
60 all docs	60 docs citations	60 times ranked	285 citing authors

#	Article	IF	Citations
1	An Integrated MA-AHP Approach for Selecting the Highest Sustainability Index of a New Product. Procedia, Social and Behavioral Sciences, 2012, 57, 236-242.	0.5	19
2	Sustainability evaluation of alternative part configurations in product design: weighted decision matrix and artificial neural network approach. Clean Technologies and Environmental Policy, 2016, 18, 63-79.	4.1	18
3	Characterization and Mechanical Analysis of PCL/PLA composites for FDM feedstock filament. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012038.	0.6	17
4	Optimisation of EMI shielding effectiveness: Mechanical and physical performance of mortar containing POFA for plaster work using Taguchi Grey method. Construction and Building Materials, 2018, 176, 509-518.	7.2	15
5	Spontaneous appendico-cutaneous fistula, after drainage of a right loin abscess – A case report. International Journal of Surgery, 2008, 6, e97-e99.	2.7	9
6	Surface Roughness and Surface Topography of Inconel 718 in Powder Mixed Dielectric Electrical Discharge Machining (PMEDM). International Journal of Integrated Engineering, 2018, 10, .	0.4	9
7	Carbon Sequestration and Carbon Capture and Storage (CCS) in Southeast Asia. Journal of Physics: Conference Series, 2016, 725, 012010.	0.4	8
8	PCL/PLA Polymer Composite Filament Fabrication using Full Factorial Design (DOE) for Fused Deposition Modelling. Journal of Physics: Conference Series, 2017, 914, 012017.	0.4	8
9	Integration of morphological analysis theory and artificial neural network approach for sustainable product design: a case study of portable vacuum cleaner. International Journal of Sustainable Manufacturing, 2012, 2, 293.	0.3	7
10	Selection of Product Design Configuration for Improved Sustainability Using the Product Sustainability Index ($ProdSI$) Scoring Method. Applied Mechanics and Materials, 2013, 315, 51-56.	0.2	7
11	An Evaluation of Mechanical Properties on Kenaf Natural Fiber/Polyester Composite Structures as Table Tennis Blade. Journal of Physics: Conference Series, 2017, 914, 012015.	0.4	7
12	Evaluation of Sustainability Performance of Product Design Element Concepts Using Analytic Hierarchy Process. Applied Mechanics and Materials, 2013, 315, 799-808.	0.2	5
13	Review of CO_2 Reduction Technologies using Mineral Carbonation of Iron and Steel Making Slag in Malaysia. Journal of Physics: Conference Series, 2017, 914, 012012.	0.4	5
14	The Effect of Cutting Speed and Feed Rate on Surface Roughness and Tool Wear when Machining Machining D2 Steel. Materials Science Forum, 2017, 909, 80-85.	0.3	5
15	Exposure level of ergonomic risk factors in hotel industries. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012018.	0.6	5
16	Quantifying Exposure to Risk Factors Among Office Workers Using ROSA Method. Advanced Science Letters, 2017, 23, 7597-7600.	0.2	5
17	SUSTAINABILITY ASSESSMENT METHODOLOGY IN PRODUCT DESIGN: A REVIEW AND DIRECTIONS FOR FUTURE RESEARCH. Jurnal Teknologi (Sciences and Engineering), 2016, 79, .	0.4	4
18	Electrical Discharge Machining of Polycrystalline Diamond Using Copper Electrode - Finishing Condition. IOP Conference Series: Materials Science and Engineering, 2017, 203, 012019.	0.6	4

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19	Application of Design for Six Sigma (DFSS) In Sustainable Product Design: A Case Study on an Electric Kettle. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012002.	0.6	4
20	Mechanical Performances of Twill Kenaf Woven Fiber Reinforced Polyester Composites. International Journal of Integrated Engineering, 2018, 10, .	0.4	4
21	Comparative study of lean practices between Japanese and Malaysia automotive service centres. AIP Conference Proceedings, 2017, , .	0.4	3
22	Total quality management practices in Malaysia healthcare industry. AIP Conference Proceedings, 2017, , .	0.4	3
23	Application of design for six sigma methodology on portable water filter that uses membrane filtration system: A preliminary study. IOP Conference Series: Materials Science and Engineering, 2017, 243, 012048.	0.6	3
24	Investigation on Suitability of Natural Fibre as Replacement Material for Table Tennis Blade. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012037.	0.6	3
25	Continuous Improvement and its Barriers in Electrical and Electronic Industry. MATEC Web of Conferences, 2017, 135, 00045.	0.2	3
26	An integration of kano model and quality function deployment technique - a case study using sport earphone. Journal of Physics: Conference Series, 2019, 1150, 012025.	0.4	3
27	A Broadband Wide-Angle Metasurface Absorber for Energy Harvesting Applications. , 2021, , .		3
28	Combined mode I stress intensity factors of slanted cracks. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012011.	0.6	3
29	A Decision Tool for Product Configuration Designs Based on Sustainability Performance Evaluation. Advanced Materials Research, 0, 903, 384-389.	0.3	2
30	The Relationship between TQM Practices with TQM Tools and Techniques in Small and Medium Enterprise (SMEs). MATEC Web of Conferences, 2017, 135, 00044.	0.2	2
31	Review on Design for Medical Device. MATEC Web of Conferences, 2017, 135, 00020.	0.2	2
32	Preliminary Study on Kano Model in the Conceptual Design Activities for Product Lifecycle Improvement. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012022.	0.6	2
33	The impact of product design and process design on new product performance in manufacturing industry. AIP Conference Proceedings, 2018, , .	0.4	2
34	The relationship between TQM tools and organisation performance in small and medium enterprise (SMEs). AIP Conference Proceedings, 2018, , .	0.4	2
35	A Fast and Accurate Analytical Method Based on Input Impedance for Antenna Directivity [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 94-99.	1.4	2
36	Portable Mini Turntable for Close-Range Photogrammetry: A Preliminary Study. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012011.	0.6	2

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37	Mechanical Properties of PCL/PLA/PEG composite blended with different molecular weight (MW) of PEG for Fused Deposition Modelling (FDM) filament wire.. International Journal of Integrated Engineering, 2018, 10, .	0.4	2
38	Dissolution Behaviour of Hazardous Materials from Steel Slag with Wet Grinding Method. Journal of Physics: Conference Series, 2016, 725, 012009.	0.4	1
39	Eco-design of low energy mechanical milling through implementation of quality function deployment and design for sustainability. , 2017, , .		1
40	The comparison of properties and cost of material use of natural rubber and sand in manufacturing cement mortar for construction sub-base layer. IOP Conference Series: Materials Science and Engineering, 2017, 271, 012017.	0.6	1
41	Simulation on the Performance of a Driven Fan Made by Polyester/Epoxy interpenetrate polymer network (IPN). IOP Conference Series: Materials Science and Engineering, 2017, 226, 012017.	0.6	1
42	Design and Development of a Portable Metal Chip Baler using A System Design Approach. MATEC Web of Conferences, 2017, 135, 00018.	0.2	1
43	Kano model and weighted rating evaluation method for product lifecycle improvement. Journal of Physics: Conference Series, 2019, 1150, 012027.	0.4	1
44	Calculating of stress intensity factors of soldered joints with multiple cracks. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14, 284.	0.8	1
45	Relationship Between Musculoskeletal Symptoms and Ergonomic Risk Factors Among Office Workers. Advanced Science Letters, 2018, 24, 587-591.	0.2	1
46	Moderated Mediation of Innovation Between Total Quality Management (TQM) and Business Performance. Advanced Science Letters, 2018, 24, 9316-9319.	0.2	1
47	Mechanical Properties of PCL/PLA Composite Sample Produced from 3D Printer and Injection Molding. International Journal of Integrated Engineering, 2019, 11, .	0.4	1
48	Comparative Study of Critical Attributes towards Purchasing Decision between National and Foreign Car in Malaysia. , 2017, , .		0
49	Designing an Orthotic Insole by Using KinectÂ®XBOX Gaming Sensor Scanner and Computer Aided Engineering Software. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012026.	0.6	0
50	Numerical modelling of steel tubes under oblique crushing forces. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012012.	0.6	0
51	Recognition of control chart patterns with incomplete samples. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012098.	0.6	0
52	Analytical analysis for material efficiency practice: an exploratory study of Malaysia manufacturing cases. Journal of Physics: Conference Series, 2019, 1150, 012006.	0.4	0
53	Interaction of Taguchi Design with Quantitative Analysis of Crystalline Phase in Triaxial Ceramic Employing Palm Oil Fuel Ash Application. Journal of Physics: Conference Series, 2019, 1150, 012031.	0.4	0
54	Inter- and intra- observer reliability of the offera method for assessing exposure risk of computer work-related to wmsds. Journal of Physics: Conference Series, 2019, 1150, 012017.	0.4	0

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55	Preliminary Study of Kansei Engineering (KE) for Societal Performance in Sustainable Product Design. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012012.	0.6	0
56	Effect of Filler Loading on Properties of Polyurethane/Clay Composites. IOP Conference Series: Materials Science and Engineering, 2019, 607, 012003.	0.6	0
57	Assessment of Repetitive Tasks Among Workers in Mould Making Manufacturing Industry. Advanced Science Letters, 2017, 23, 4405-4409.	0.2	0
58	A model for predicting J-integral of surface cracks in round bars under combined mode I loading. IOP Conference Series: Materials Science and Engineering, 2017, 226, 012015.	0.6	0
59	Frame work for the Development of Occupational Safety and Health Assessment Model for Libyan Iron and Steel Industry. IOP Conference Series: Materials Science and Engineering, 0, 607, 012004.	0.6	0
60	Characterization, Thermal and Biological Properties of PCL/PLA/PEG/N-HA Composites. Biointerface Research in Applied Chemistry, 2020, 11, 9017-9026.	1.0	0