

siti zawiah md dawal

List of Publications by Year in descending order

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59
papers

1,306
citations

430874

18
h-index

361022

35
g-index

60
all docs

60
docs citations

60
times ranked

1396
citing authors

#	ARTICLE	IF	CITATIONS
1	Present needs, recent progress and future trends of energy-efficient Ultra-Low Carbon Dioxide (CO) Steelmaking (ULCOS) program. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 537-549.	16.4	183
2	A hybrid approach for fuzzy multi-attribute decision making in machine tool selection with consideration of the interactions of attributes. <i>Expert Systems With Applications</i> , 2014, 41, 3078-3090.	7.6	120
3	Multi-objective adaptive large neighborhood search for distributed reentrant permutation flow shop scheduling. <i>Applied Soft Computing Journal</i> , 2016, 40, 42-57.	7.2	115
4	Application of acoustic emission sensor to investigate the frequency of tool wear and plastic deformation in tool condition monitoring. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 92, 208-217.	5.0	111
5	Multi-objective AGV scheduling in an FMS using a hybrid of genetic algorithm and particle swarm optimization. <i>PLoS ONE</i> , 2017, 12, e0169817.	2.5	90
6	An Integrated Approach of Fuzzy Linguistic Preference Based AHP and Fuzzy COPRAS for Machine Tool Evaluation. <i>PLoS ONE</i> , 2015, 10, e0133599.	2.5	65
7	An Integrated MCDM Model for Conveyor Equipment Evaluation and Selection in an FMC Based on a Fuzzy AHP and Fuzzy ARAS in the Presence of Vagueness. <i>PLoS ONE</i> , 2016, 11, e0153222.	2.5	61
8	Effect of job organization on job satisfaction among shop floor employees in automotive industries in Malaysia. <i>International Journal of Industrial Ergonomics</i> , 2009, 39, 1-6.	2.6	41
9	Factors affecting safety of processes in the Malaysian oil and gas industry. <i>Safety Science</i> , 2017, 92, 44-52.	4.9	37
10	A review of the offshore oil and gas safety indices. <i>Safety Science</i> , 2018, 109, 344-352.	4.9	29
11	Virtual Reality Based Support System for Layout Planning and Programming of an Industrial Robotic Work Cell. <i>PLoS ONE</i> , 2014, 9, e109692.	2.5	28
12	Empirical evidence of AMT practices and sustainable environmental initiatives in Malaysian automotive SMEs. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 1195-1203.	2.2	27
13	Determination of the significant anthropometry dimensions for user-friendly designs of domestic furniture and appliances – Experience from a study in Malaysia. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 59, 205-215.	5.0	26
14	Cultural Influences on Choosing Green Products: An Empirical Study in MALAYSIA. <i>Sustainable Development</i> , 2017, 25, 655-670.	12.5	26
15	The Effect of Job and Environmental Factors on Job Satisfaction in Automotive Industries. <i>International Journal of Occupational Safety and Ergonomics</i> , 2006, 12, 267-280.	1.9	25
16	Non-dominated sorting biogeography-based optimization for bi-objective reentrant flexible manufacturing system scheduling. <i>Applied Soft Computing Journal</i> , 2018, 62, 187-202.	7.2	24
17	Integrating fuzzy expert system and scoring system for safety performance evaluation of offshore oil and gas platforms in Malaysia. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 56, 32-45.	3.3	23
18	Ergonomic evaluation of postural stress in school workshop. <i>Work</i> , 2012, 41, 827-831.	1.1	21

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19	Driving mental workload and performance of ageing drivers. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 69, 265-285.	3.7	21
20	Anthropometric Database for the Learning Environment of High School and University Students. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 461-472.	1.9	18
21	Axiomatic design principles in analysing the ergonomics design parameter of a virtual environment. <i>International Journal of Industrial Ergonomics</i> , 2014, 44, 368-373.	2.6	17
22	The Relation Between Upper Limb Muscle and Brain Activity in Two Precision Levels of Repetitive Light Tasks. <i>International Journal of Occupational Safety and Ergonomics</i> , 2011, 17, 373-384.	1.9	16
23	Actual safety performance of the Malaysian offshore oil platforms: Correlations between the leading and lagging indicators. <i>Journal of Safety Research</i> , 2018, 66, 9-19.	3.6	16
24	Muscle activity, time to fatigue, and maximum task duration at different levels of production standard time. <i>Journal of Physical Therapy Science</i> , 2015, 27, 2323-2326.	0.6	13
25	Analysis and experiment of centrifugal force for microfluidic ELISA CD platform. , 2010, , .		12
26	The effects of energy expenditure rate on work productivity performance at different levels of production standard time. <i>Journal of Physical Therapy Science</i> , 2015, 27, 2431-2433.	0.6	12
27	Effect of postural angle on back muscle activities in aging female workers performing computer tasks. <i>Journal of Physical Therapy Science</i> , 2015, 27, 1967-1970.	0.6	12
28	Green product preferences considering cultural influences: a comparison study between Malaysia and Indonesia. <i>Management of Environmental Quality</i> , 2021, 32, 1040-1063.	4.3	12
29	Reentrant FMS scheduling in loop layout with consideration of multi loading-unloading stations and shortcuts. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 82, 1527-1545.	3.0	11
30	Toward a Theoretical Concept of E-Collaboration through Project Management in SMEs for Reducing Time and Cost in New Product: A Review. <i>Journal of Applied Sciences</i> , 2010, 11, 174-182.	0.3	10
31	A generic approach of integrating 3D models into virtual manufacturing. <i>Journal of Zhejiang University: Science C</i> , 2012, 13, 20-28.	0.7	8
32	Development of statistical models for predicting muscle and mental activities during repetitive precision tasks. <i>International Journal of Occupational Safety and Ergonomics</i> , 2016, 22, 374-383.	1.9	7
33	Green Product Preferences with Respect to Cultural Influences: Empirical Study in Indonesia. <i>International Journal of Automation Technology</i> , 2018, 12, 842-852.	1.0	7
34	Investigation on Musculoskeletal Symptoms and Ergonomic Risk Factors at Metal Stamping Industry. <i>Advanced Engineering Forum</i> , 0, 10, 293-299.	0.3	6
35	Validity and Reliability Testing on Train Driver Performance Model Using a PLS Approach. <i>Advanced Engineering Forum</i> , 0, 10, 361-366.	0.3	5
36	Maximum acceptable frequency of lift for combined manual material handling task in Malaysia. <i>PLoS ONE</i> , 2019, 14, e0216918.	2.5	5

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37	Incorporating Ergonomics Evaluation in Assembly and Disassembly of Repetitive Task: Focusing on Load Task. <i>Advanced Materials Research</i> , 2013, 712-715, 2879-2883.	0.3	4
38	Investigation on Working Postures and Musculoskeletal Disorders among Office Workers in Putrajaya. <i>Advanced Engineering Forum</i> , 0, 10, 308-312.	0.3	4
39	An Investigation into a Gear-Based Knee Joint Designed for Lower Limb Prosthesis. <i>Applied Bionics and Biomechanics</i> , 2017, 2017, 1-14.	1.1	4
40	Combination of Electromyography and Electroencephalography Measurements in Designing Repetitive Task in Industry. <i>Advanced Science Letters</i> , 2011, 4, 2498-2502.	0.2	4
41	The importance of E-collaboration in SMEs by project management approach a review. , 2010, , .		3
42	Selecting a CNC Machine Tool Using the Intuitionistic Fuzzy TOPSIS Approach for FMC. <i>Applied Mechanics and Materials</i> , 2013, 315, 196-205.	0.2	3
43	Occupational Noise Exposure among Toll Tellers at Toll Plaza in Malaysia. , 2010, , .		2
44	Development of a low-cost and portable device controller for point-of-care medical diagnostics. , 2010, , .		2
45	The importance of project management in small- and medium-sized enterprises (SMEs) for the development of new products through E- collaboration. <i>African Journal of Business Management</i> , 2011, 5, .	0.5	2
46	Color preference of the Malay population in the design of a virtual environment. , 2012, , .		2
47	Comparison of Working Postures among Students in School Workshop: A CAD Environment Analysis. <i>Advanced Engineering Forum</i> , 0, 10, 199-206.	0.3	2
48	A Review of the NIOSH Lifting Equation and Ergonomics Analysis. <i>Advanced Engineering Forum</i> , 0, 10, 214-219.	0.3	2
49	The Effects of Driving Environment on the Mental Workload of Train Drivers. <i>Advanced Engineering Forum</i> , 0, 10, 93-99.	0.3	2
50	The Effect of Vibration on Muscle Activity and Grip Strength Using an Electric Drill. <i>Advanced Engineering Forum</i> , 0, 10, 318-323.	0.3	2
51	Upper Limb Muscle and Brain Activity in Light Assembly Task on Different Load Levels. , 2010, , .		1
52	Muscles activities at two different work area boundaries during sedentary work. , 2010, , .		1
53	The Prevalence of Muscle Fatigue Symptoms in Industries at Lembah Klang Malaysia. <i>Advanced Engineering Forum</i> , 0, 10, 272-277.	0.3	1
54	Prediction of work productivity outcomes by identifying critical risk factors among garment industry workers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2022, 28, 2238-2249.	1.9	1

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55	Reducing Time and Cost of New Product Development in SMEs by E-Collaboration Through Project Management Approach. <i>Advanced Science Letters</i> , 2011, 4, 2513-2516.	0.2	1
56	The Development of Very Light Jet with Unconventional Arrangement. <i>Applied Mechanics and Materials</i> , 0, 110-116, 2219-2227.	0.2	0
57	The Role of Project Manager in SMEs for Developing New Product by E-Collaboration. <i>Advanced Materials Research</i> , 0, 433-440, 1637-1645.	0.3	0
58	Investigation of Sitting Postural Angle and Muscle Activity on Ageing Women Workforce during Computer Task. <i>Advanced Engineering Forum</i> , 0, 10, 57-62.	0.3	0
59	Variation of Work Productivity Performance at Different Levels of Production Standard Time. <i>Applied Mechanics and Materials</i> , 2016, 851, 879-883.	0.2	0