

Raja Ariffin Raja Ghazilla, CEng

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,326
citations

471509

17
h-index

377865

34
g-index

45
all docs

45
docs citations

45
times ranked

1532
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of sustainable manufacturing practices on sustainability performance. <i>International Journal of Operations and Production Management</i> , 2017, 37, 182-204.	5.9	275
2	A comprehensive review on energy efficient CO2 breakthrough technologies for sustainable green iron and steel manufacturing. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 594-614.	16.4	223
3	Drivers and Barriers Analysis for Green Manufacturing Practices in Malaysian SMEs: A Preliminary Findings. <i>Procedia CIRP</i> , 2015, 26, 658-663.	1.9	218
4	Economic order quantity models for items with imperfect quality and emission considerations. <i>International Journal of Systems Science: Operations and Logistics</i> , 2018, 5, 99-115.	3.0	61
5	Application of the NSGA-II algorithm to a multi-period inventory-redundancy allocation problem in a series-parallel system. <i>Reliability Engineering and System Safety</i> , 2017, 160, 1-10.	8.9	58
6	Evaluation of criteria for CO2 capture and storage in the iron and steel industry using the 2-tuple DEMATEL technique. <i>Journal of Cleaner Production</i> , 2016, 120, 207-220.	9.3	46
7	Design and control of a wearable lower-body exoskeleton for squatting and walking assistance in manual handling works. <i>Mechatronics</i> , 2019, 63, 102272.	3.3	43
8	Design for environment and design for disassembly practices in Malaysia: a practitioner's perspectives. <i>Journal of Cleaner Production</i> , 2015, 108, 331-342.	9.3	38
9	Development of a fuzzy economic order quantity model for imperfect quality items using the learning effect on fuzzy parameters. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 2377-2389.	1.4	32
10	A fuzzy EOQ model with backorders and forgetting effect on fuzzy parameters: An empirical study. <i>Computers and Industrial Engineering</i> , 2016, 96, 140-148.	6.3	30
11	A Fuzzy Controller for Lower Limb Exoskeletons during Sit-to-Stand and Stand-to-Sit Movement Using Wearable Sensors. <i>Sensors</i> , 2014, 14, 4342-4363.	3.8	25
12	Development of decision support system for fastener selection in product recovery oriented design. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 1403-1413.	3.0	25
13	A bi-objective multi-period series-parallel inventory-redundancy allocation problem with time value of money and inflation considerations. <i>Computers and Industrial Engineering</i> , 2017, 104, 51-67.	6.3	24
14	Exoskeleton robot control for synchronous walking assistance in repetitive manual handling works based on dual unscented Kalman filter. <i>PLoS ONE</i> , 2018, 13, e0200193.	2.5	24
15	A Strategic Approach to Develop Green Supply Chains. <i>Procedia CIRP</i> , 2015, 26, 670-676.	1.9	22
16	Balance and stability issues in lower extremity exoskeletons: A systematic review. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 1666-1679.	5.9	19
17	Insert geometry effects on surface roughness in turning process of AISI D2 steel. <i>Journal of Zhejiang University: Science A</i> , 2010, 11, 966-971.	2.4	18
18	Multi-objective optimization for high recyclability material selection using genetic algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 68, 1441-1451.	3.0	16

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19	Analytic Hierarchy Process-Based Analysis to Determine the Barriers to Implementing a Material Efficiency Strategy: Electrical and Electronics™ Companies in the Malaysian Context. Sustainability, 2016, 8, 1035.	3.2	16
20	Sustainable Supply Chain Design: A Configurational Approach. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	15
21	A methodology for optimizing modular design considering product end of life strategies. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2359-2367.	2.2	14
22	End-of-life vehicle recovery factors: Malaysian stakeholders' views and future research needs. Sustainable Development, 2018, 26, 713-725.	12.5	12
23	Aftermarket survey on end-of-life vehicle recovery in Malaysia: Key findings. Journal of Cleaner Production, 2019, 211, 468-480.	9.3	9
24	A Review on Lower-Limb Exoskeleton System for Sit to Stand, Ascending and Descending Staircase Motion. Applied Mechanics and Materials, 0, 541-542, 1150-1155.	0.2	7
25	Green Product Preferences with Respect to Cultural Influences: Empirical Study in Indonesia. International Journal of Automation Technology, 2018, 12, 842-852.	1.0	7
26	Incorporation of high recyclability material selection in computer aided design. Materials & Design, 2014, 56, 740-749.	5.1	6
27	Resources Sustainability through Material Efficiency Strategies: An Insight Study of Electrical and Electronic Companies. Resources, 2019, 8, 117.	3.5	6
28	Physical ergonomics awareness in an offshore processing platform among Malaysian oil and gas workers. International Journal of Occupational Safety and Ergonomics, 2020, 26, 521-537.	1.9	5
29	A system dynamics approach to develop a recovery model in the Malaysian automotive industry. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012068.	0.6	5
30	Design Methods for the Elderly in Web of Science, Scopus, and China National Knowledge Infrastructure Databases: A Scientometric Analysis in CiteSpace. Sustainability, 2022, 14, 2545.	3.2	5
31	Application of Data Acquisition and Telemetry System into a Solar Vehicle. , 2010, , .		4
32	Incorporating Ergonomics Evaluation in Assembly and Disassembly of Repetitive Task: Focusing on Load Task. Advanced Materials Research, 2013, 712-715, 2879-2883.	0.3	4
33	Comparison of Malaysian and SAE J833 Anthropometric Proportions for Vehicle Package Design. Advanced Engineering Forum, 0, 10, 336-344.	0.3	3
34	What Key Drivers Are Needed to Implement Material Efficiency Strategies? An Analysis of the Electrical and Electronic Industry in Malaysia and Its Implications to Practitioners. Sustainability, 2021, 13, 2065.	3.2	3
35	Robotic System Development for Cooperative Orthopedic Drilling Assistance. Advances in Mechanical Engineering, 2014, 6, 437485.	1.6	2
36	FRAMEWORK OF AUGMENTED REALITY APPROACH TOWARDS ERGONOMIC ASSESSMENT OF DRIVER VEHICLE PACKAGE DESIGN. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	2

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37	Development of an end-of-life vehicle recovery model using system dynamics and future research needs. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012075.	0.6	2
38	Development of a CNGDI-Electric Hybrid Vehicle. , 2006, , .		1
39	Industrial practices of collaborative manufacturing involving tool and die development: Malaysian perspective. Journal of Manufacturing Technology Management, 2020, 32, 485-505.	6.4	1
40	Capacity of visual short term memory of the Malaysian population in the design of a virtual environment. , 2010, , .		0
41	Pilot Investigation on the Driving Posture Comfort among Malaysian Drivers. Advanced Materials Research, 0, 605-607, 466-471.	0.3	0
42	A study on muscle activities through surface EMG for lower limb exoskeleton controller. , 2013, , .		0
43	Comparison Study of Malaysian Driver Seating Position in SAEJ1517 Accommodation Model. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 12, .	0.4	0
44	Component Recoverability Analysis in Product Design Using System Dynamic Modelling. , 2019, , 117-134.		0
45	Integrating Green AffectiveValues and Material Selection in Automotive Design: A Preliminary Study. International Journal of Integrated Engineering, 2020, 12, .	0.4	0