

# 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  | 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         |
| 2  | 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         |
| 3  | 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         |
| 4  | Balance and stability issues in lower extremity exoskeletons: A systematic review. Biocybernetics and Biomedical Engineering, 2020, 40, 1666-1679.  | 5.9  | 19        |
| 5  | Industrial practices of collaborative manufacturing involving tool and die development: Malaysian perspective. Journal of Manufacturing Technology Management, 2020, 32, 485-505.                                 | 6.4  | 1         |
| 6  | Integrating Green Affective Values and Material Selection in Automotive Design: A Preliminary Study. International Journal of Integrated Engineering, 2020, 12, .   | 0.4  | 0         |
| 7  | Resources Sustainability through Material Efficiency Strategies: An Insight Study of Electrical and Electronic Companies. Resources, 2019, 8, 117.  | 3.5  | 6         |
| 8  | Design and control of a wearable lower-body exoskeleton for squatting and walking assistance in manual handling works. Mechatronics, 2019, 63, 102272.  | 3.3  | 43        |
| 9  | Aftermarket survey on end-of-life vehicle recovery in Malaysia: Key findings. Journal of Cleaner Production, 2019, 211, 468-480.  | 9.3  | 9         |
| 10 | Component Recoverability Analysis in Product Design Using System Dynamic Modelling. , 2019, , 117-134.  |      | 0         |
| 11 | Economic order quantity models for items with imperfect quality and emission considerations. International Journal of Systems Science: Operations and Logistics, 2018, 5, 99-115.                                 | 3.0  | 61        |
| 12 | Exoskeleton robot control for synchronous walking assistance in repetitive manual handling works based on dual unscented Kalman filter. PLoS ONE, 2018, 13, e0200193.   | 2.5  | 24        |
| 13 | End-of-life vehicle recovery factors: Malaysian stakeholders' views and future research needs. Sustainable Development, 2018, 26, 713-725.  | 12.5 | 12        |
| 14 | Green Product Preferences with Respect to Cultural Influences: Empirical Study in Indonesia. International Journal of Automation Technology, 2018, 12, 842-852.   | 1.0  | 7         |
| 15 | The impact of sustainable manufacturing practices on sustainability performance. International Journal of Operations and Production Management, 2017, 37, 182-204.  | 5.9  | 275       |
| 16 | A bi-objective multi-period series-parallel inventory-redundancy allocation problem with time value of money and inflation considerations. Computers and Industrial Engineering, 2017, 104, 51-67.                | 6.3  | 24        |
| 17 | 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         |
| 18 | Application of the NSGA-II algorithm to a multi-period inventory-redundancy allocation problem in a series-parallel system. Reliability Engineering and System Safety, 2017, 160, 1-10.                           | 8.9  | 58        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | 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         |
| 20 | Analytic Hierarchy Process-Based Analysis to Determine the Barriers to Implementing a Material Efficiency Strategy: Electrical and Electronicsâ€™™ Companies in the Malaysian Context. Sustainability, 2016, 8, 1035. | 3.2  | 16        |
| 21 | Evaluation of criteria for CO2 capture and storage in the iron and steel industry using the 2-tuple DEMATEL technique. Journal of Cleaner Production, 2016, 120, 207-220.   | 9.3  | 46        |
| 22 | A fuzzy EOQ model with backorders and forgetting effect on fuzzy parameters: An empirical study. Computers and Industrial Engineering, 2016, 96, 140-148.   | 6.3  | 30        |
| 23 | Development of a fuzzy economic order quantity model for imperfect quality items using the learning effect on fuzzy parameters. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2377-2389.                        | 1.4  | 32        |
| 24 | FRAMEWORK OF AUGMENTED REALITY APPROACH TOWARDS ERGONOMIC ASSESSMENT OF DRIVER VEHICLE PACKAGE DESIGN. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .   | 0.4  | 2         |
| 25 | A comprehensive review on energy efficient CO2 breakthrough technologies for sustainable green iron and steel manufacturing. Renewable and Sustainable Energy Reviews, 2015, 50, 594-614.                             | 16.4 | 223       |
| 26 | Design for environment and design for disassembly practices in Malaysia: a practitioner's perspectives. Journal of Cleaner Production, 2015, 108, 331-342.  | 9.3  | 38        |
| 27 | Drivers and Barriers Analysis for Green Manufacturing Practices in Malaysian SMEs: A Preliminary Findings. Procedia CIRP, 2015, 26, 658-663.  | 1.9  | 218       |
| 28 | A Strategic Approach to Develop Green Supply Chains. Procedia CIRP, 2015, 26, 670-676.  | 1.9  | 22        |
| 29 | 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        |
| 30 | Sustainable Supply Chain Design: A Configurational Approach. Scientific World Journal, The, 2014, 2014, 1-16.   | 2.1  | 15        |
| 31 | A Fuzzy Controller for Lower Limb Exoskeletons during Sit-to-Stand and Stand-to-Sit Movement Using Wearable Sensors. Sensors, 2014, 14, 4342-4363.  | 3.8  | 25        |
| 32 | Development of decision support system for fastener selection in product recovery oriented design. International Journal of Advanced Manufacturing Technology, 2014, 70, 1403-1413.                                   | 3.0  | 25        |
| 33 | Incorporation of high recyclability material selection in computer aided design. Materials & Design, 2014, 56, 740-749.   | 5.1  | 6         |
| 34 | Robotic System Development for Cooperative Orthopedic Drilling Assistance. Advances in Mechanical Engineering, 2014, 6, 437485.   | 1.6  | 2         |
| 35 | Multi-objective optimization for high recyclability material selection using genetic algorithm. International Journal of Advanced Manufacturing Technology, 2013, 68, 1441-1451.                                      | 3.0  | 16        |
| 36 | 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         |

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|----|---|-----|-----------|
| 37 | A study on muscle activities through surface EMG for lower limb exoskeleton controller. , 2013, , .   |     | 0         |
| 38 | Insert geometry effects on surface roughness in turning process of AISI D2 steel. Journal of Zhejiang University: Science A, 2010, 11, 966-971.                   | 2.4 | 18        |
| 39 | Capacity of visual short term memory of the Malaysian population in the design of a virtual environment. , 2010, , .  |     | 0         |
| 40 | Application of Data Acquisition and Telemetry System into a Solar Vehicle. , 2010, , .  |     | 4         |
| 41 | Development of a CNGDI-Electric Hybrid Vehicle. , 2006, , .   |     | 1         |
| 42 | Pilot Investigation on the Driving Posture Comfort among Malaysian Drivers. Advanced Materials Research, 0, 605-607, 466-471.                                     | 0.3 | 0         |
| 43 | Comparison of Malaysian and SAE J833 Anthropometric Proportions for Vehicle Package Design. Advanced Engineering Forum, 0, 10, 336-344.                           | 0.3 | 3         |
| 44 | 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         |
| 45 | Comparison Study of Malaysian Driver Seating Position in SAEJ1517 Accommodation Model. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 12, . | 0.4 | 0         |