

Poh Kiat Ng

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

270
citations

1307594

7
h-index

1125743

13
g-index

60
all docs

60
docs citations

60
times ranked

197
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Contextualising statistical evaluations of pinch force and endurance among young and elderly people using TRIZ techniques. Australian Journal of Mechanical Engineering, 2023, 21, 1065-1078. | 2.1 | 0 |
| 2 | Development and Usability Testing of a Finger Grip Enhancer for the Elderly. Robotics, 2022, 11, 5. | 3.5 | 3 |
| 3 | A Preliminary Study on Ergonomic Contribution to the Engineering Design Approach of a Wheel Loader Control Lever System. Sustainability, 2022, 14, 122. | 3.2 | 1 |
| 4 | Integrated fuzzy AHP and TOPSIS as innovative student selection methodology at institutions of higher learning. Human Systems Management, 2022, , 1-13. | 1.1 | 0 |
| 5 | Blending a sweet pill to swallow with TRIZ and industry talks for enhanced learning during the COVID-19 pandemic. Human Systems Management, 2022, , 1-16. | 1.1 | 0 |
| 6 | An assimilation of TRIZ in dissecting the statistical outcomes of tactile sensitivity, pinch force and endurance among elderly people. Cogent Engineering, 2021, 8, . | 2.2 | 4 |
| 7 | A triz-directed approach in proposing device-oriented ideas that cultivate water-drinking habits among children. Cogent Engineering, 2021, 8, . | 2.2 | 6 |
| 8 | Synthesisation of design features for multifunctional stretcher concepts. Journal of Medical Engineering and Technology, 2021, 45, 145-157. | 1.4 | 9 |
| 9 | The Design and Development of a Foldable Wheelchair Stretcher. Inventions, 2021, 6, 35. | 2.5 | 6 |
| 10 | The Conceptual Synthesis and Development of a Multifunctional Lawnmower. Inventions, 2021, 6, 38. | 2.5 | 7 |
| 11 | A TRIZ-driven conceptualisation of finger grip enhancer designs for the elderly. F1000Research, 2021, 10, 392. | 1.6 | 4 |
| 12 | The Development of an Automated Multi-Spit Lamb Rotisserie Machine for Improved Productivity. Machines, 2021, 9, 165. | 2.2 | 2 |
| 13 | The Conceptualisation and Development of a Space-Saving Multipurpose Table for Enhanced Ergonomic Performance. Inventions, 2021, 6, 67. | 2.5 | 4 |
| 14 | Exploring the Essential Word Lists for Engineering Education: Engaging the Vocabulary Profiling Approach (VPA). , 2021, , . | | 0 |
| 15 | A Review of Modular Ergonomic Furniture Patents. Journal of Engineering Technology and Applied Physics, 2021, 3, 1-6. | 0.1 | 1 |
| 16 | A REVIEW ON HUMAN ERROR IN MALAYSIA MANUFACTURING INDUSTRIES. Journal of Information System and Technology Management, 2020, 5, 01-13. | 0.1 | 1 |
| 17 | TRIZ Applications in the Design of a Vacuum Sealed Package Opener. Journal of Engineering and Applied Sciences, 2019, 14, 9193-9197. | 0.2 | 0 |
| 18 | Design Innovation and Validation of a Non-Electric Hearing Aid for Improved Usability. International Journal of Engineering and Technology(UAE), 2018, 7, 90. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Enforcement of Safety and Health Policy Reduces Human Error in SMEs in the Manufacturing Industry. <i>Advanced Science Letters</i> , 2017, 23, 10656-10659. | 0.2 | 4 |
| 20 | An Empirical Study on E-Learning versus Traditional Learning among Electronics Engineering Students. <i>American Journal of Applied Sciences</i> , 2016, 13, 836-844. | 0.2 | 10 |
| 21 | Design and Development of an Ergonomic Milling Machine Control Knob using TRIZ Principles. <i>American Journal of Applied Sciences</i> , 2016, 13, 451-458. | 0.2 | 3 |
| 22 | Usability Validation of an Ergonomic Inward Directional Screwdriver for Enhanced Musculoskeletal Comfort. <i>American Journal of Applied Sciences</i> , 2016, 13, 1076-1084. | 0.2 | 1 |
| 23 | Development of Ergonomics Guidelines for Improved Sitting Postures in the Classroom among Malaysian University Students. <i>American Journal of Applied Sciences</i> , 2016, 13, 907-912. | 0.2 | 3 |
| 24 | A Review of China's Technological Developments in the 20th Century. <i>Applied Mechanics and Materials</i> , 2015, 773-774, 871-874. | 0.2 | 0 |
| 25 | Influences of Tactile Sensation on Pinch Force under Loaded and Unloaded Conditions. <i>American Journal of Applied Sciences</i> , 2015, 12, 588-592. | 0.2 | 0 |
| 26 | Effects of Pinch Technique, Torque Direction and Sensation on the Pinch Force in Loaded and Unloaded Conditions. <i>Modern Applied Science</i> , 2015, 9, 164. | 0.6 | 0 |
| 27 | Ergonomic Knob Design Validation for Improved Musculoskeletal Comfort. <i>Modern Applied Science</i> , 2015, 10, 76. | 0.6 | 1 |
| 28 | Ergonomics aspects of knob designs: a literature review. <i>Theoretical Issues in Ergonomics Science</i> , 2015, 16, 86-98. | 1.8 | 6 |
| 29 | A Review of Intrinsic and Extrinsic Motivations of ESL Learners. <i>International Journal of Languages Literature and Linguistics</i> , 2015, 1, 98-105. | 0.0 | 23 |
| 30 | The Motivation of English Language Teachers in a Language Centre. <i>International Journal of Languages Literature and Linguistics</i> , 2015, 1, 87-92. | 0.0 | 4 |
| 31 | A review of shape and size considerations in pinch grips. <i>Theoretical Issues in Ergonomics Science</i> , 2014, 15, 305-317. | 1.8 | 16 |
| 32 | Synthesising the roles of torque and sensation in pinch force: a framework. <i>Theoretical Issues in Ergonomics Science</i> , 2014, 15, 193-204. | 1.8 | 9 |
| 33 | A review of different pinch techniques. <i>Theoretical Issues in Ergonomics Science</i> , 2014, 15, 517-533. | 1.8 | 15 |
| 34 | Sustaining Quality in Higher Education in Southeast Asia through Understanding Generational Changes. <i>Journal of Applied Sciences</i> , 2014, 14, 1819-1827. | 0.3 | 4 |
| 35 | Concurrent Knowledge Sharing and its Importance in Product Development. <i>Journal of Applied Sciences</i> , 2014, 14, 2978-2985. | 0.3 | 8 |
| 36 | Effects of Stress, Repetition, Fatigue and Work Environment on Human Error in Manufacturing Industries. <i>Journal of Applied Sciences</i> , 2014, 14, 3464-3471. | 0.3 | 50 |

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|----|--|-----|-----------|
| 37 | Pinch Effort Variations with Torque, Shape, Size, Sensation and Technique. Journal of Applied Sciences, 2014, 14, 401-414. | 0.3 | 3 |
| 38 | Reinforcing the Need for Green Practices Through a Green Knowledge Society. Journal of Applied Sciences, 2014, 14, 510-517. | 0.3 | 5 |
| 39 | 2309 Human Error and Production Rate Correlation in Assembly Process of Electronics Goods. The Proceedings of Design & Systems Conference, 2014, 2014.24, _2309-1_-_2309-6_. | 0.0 | 0 |
| 40 | The role of TQM in a Malaysian manufacturing firm. , 2012, , . | | 2 |
| 41 | Innovating TQM, CE and KM for productive manufacturing in a Malaysian firm. Total Quality Management and Business Excellence, 2012, 23, 1089-1105. | 3.8 | 13 |
| 42 | Primary TQM practices and their effects on engineering performance in a Malaysian semiconductor firm. International Journal of Services, Economics and Management, 2012, 4, 344. | 0.2 | 2 |
| 43 | A case study on the importance of knowledge management in creative product development. , 2011, , . | | 1 |
| 44 | The role of time, cost and quality in project management. , 2011, , . | | 2 |
| 45 | The Importance of CAD and Knowledge Management in Concurrent Engineering Project Performance. Journal of Information and Knowledge Management, 2011, 10, 365-378. | 1.1 | 6 |
| 46 | A case study on the importance of knowledge management in creative product development. , 2011, , . | | 0 |
| 47 | The role of time, cost and quality in project management. , 2011, , . | | 0 |
| 48 | The influence of total quality management, concurrent engineering and knowledge management in a semiconductor manufacturing firm. , 2010, , . | | 1 |
| 49 | The Effects of Different Tactile Sensations on Pinch Effort. Applied Mechanics and Materials, 0, 465-466, 1175-1179. | 0.2 | 5 |
| 50 | Applying Clockwise and Counterclockwise Torque Directions in Pinch Grips: A Descriptive Study. Applied Mechanics and Materials, 0, 465-466, 1170-1174. | 0.2 | 4 |
| 51 | The Roles of Shape and Size in the Pinch Effort of Screw Knobs. Applied Mechanics and Materials, 0, 465-466, 1202-1206. | 0.2 | 5 |
| 52 | Pinch Techniques and their Effects on Pinch Effort: A Pilot Study. Applied Mechanics and Materials, 0, 465-466, 1165-1169. | 0.2 | 7 |
| 53 | The Effects of Office Equipment Familiarity in Reducing Human Errors and Accidents. Applied Mechanics and Materials, 0, 564, 717-722. | 0.2 | 2 |
| 54 | Influences of Body Position Selections on Knob Selections in Malaysian Manufacturing Industries. Applied Mechanics and Materials, 0, 761, 683-687. | 0.2 | 1 |

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|----|--|-----|-----------|
| 55 | Roles of Pinch Grips in Different Knob Selections among Malaysian Manufacturing Workers. Applied Mechanics and Materials, 0, 761, 688-692. | 0.2 | 1 |
| 56 | A Review of Ergonomic Tools and Apparatus for the Ageing Population. Applied Mechanics and Materials, 0, 773-774, 814-817. | 0.2 | 1 |
| 57 | Driving-induced lower back pain: Investigation of causes and recommendations with TRIZ. F1000Research, 0, 10, 871. | 1.6 | 0 |
| 58 | Workplace ergonomics problems and solutions: Working from home. F1000Research, 0, 10, 1025. | 1.6 | 3 |
| 59 | A Comprehensive Review on the Development of Car Booster Seats for Children. Current Journal of Applied Science and Technology, 0, , 1-21. | 0.3 | 1 |