

# Liang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6904056/publications.pdf>

Version: 2024-02-01

38  
papers

1,263  
citations

471371

17  
h-index

395590

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1109  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Understanding lurkers in online communities: A literature review. <i>Computers in Human Behavior</i> , 2014, 38, 110-117.   | 5.1 | 367       |
| 2  | A new simple dynamic muscle fatigue model and its validation. <i>International Journal of Industrial Ergonomics</i> , 2009, 39, 211-220.  | 1.5 | 178       |
| 3  | Predicting real-world ergonomic measurements by simulation in a virtual environment. <i>International Journal of Industrial Ergonomics</i> , 2011, 41, 64-71.   | 1.5 | 63        |
| 4  | An interview study exploring Tesla drivers' behavioural adaptation. <i>Applied Ergonomics</i> , 2018, 72, 37-47.  | 1.7 | 61        |
| 5  | A novel approach for determining fatigue resistances of different muscle groups in static cases. <i>International Journal of Industrial Ergonomics</i> , 2011, 41, 10-18.                                 | 1.5 | 59        |
| 6  | A new muscle fatigue and recovery model and its ergonomics application in human simulation. <i>Virtual and Physical Prototyping</i> , 2010, 5, 123-137.   | 5.3 | 55        |
| 7  | Road traffic accident severity analysis: A census-based study in China. <i>Journal of Safety Research</i> , 2019, 70, 135-147.  | 1.7 | 54        |
| 8  | Multi-objective optimisation method for posture prediction and analysis with consideration of fatigue effect and its application case. <i>Computers and Industrial Engineering</i> , 2009, 57, 1235-1246. | 3.4 | 53        |
| 9  | Muscular fatigue and maximum endurance time assessment for male and female industrial workers. <i>International Journal of Industrial Ergonomics</i> , 2014, 44, 292-297.                                 | 1.5 | 44        |
| 10 | Modeling and mitigating fatigue-related accident risk of taxi drivers. <i>Accident Analysis and Prevention</i> , 2019, 123, 79-87.  | 3.0 | 37        |
| 11 | Human Work and Status Evaluation Based on Wearable Sensors in Human Factors and Ergonomics: A Review. <i>IEEE Transactions on Human-Machine Systems</i> , 2019, 49, 72-84.                                | 2.5 | 34        |
| 12 | Determination of subject-specific muscle fatigue rates under static fatiguing operations. <i>Ergonomics</i> , 2013, 56, 1889-1900.  | 1.1 | 28        |
| 13 | Fatigue evaluation in maintenance and assembly operations by digital human simulation in virtual environment. <i>Virtual Reality</i> , 2011, 15, 55-68.   | 4.1 | 26        |
| 14 | Challenges of human-machine collaboration in risky decision-making. <i>Frontiers of Engineering Management</i> , 2022, 9, 89-103.   | 3.3 | 24        |
| 15 | A framework for interactive work design based on motion tracking, simulation, and analysis. <i>Human Factors and Ergonomics in Manufacturing</i> , 2010, 20, 339-352.                                     | 1.4 | 23        |
| 16 | Fatigue of Chinese railway employees and its influential factors: Structural equation modelling. <i>Applied Ergonomics</i> , 2017, 62, 131-141.   | 1.7 | 21        |
| 17 | Experimental validation of a subject-specific maximum endurance time model. <i>Ergonomics</i> , 2018, 61, 806-817.  | 1.1 | 19        |
| 18 | User-defined information sharing for team situation awareness and teamwork. <i>Ergonomics</i> , 2019, 62, 1098-1112.  | 1.1 | 15        |

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|----|--|-----|-----------|
| 19 | Vibration warning design for reaction time reduction under the environment of intelligent connected vehicles. <i>Applied Ergonomics</i> , 2021, 96, 103490.                                  | 1.7 | 11        |
| 20 | Visual search tasks: measurement of dynamic visual lobe and relationship with display movement velocity. <i>Ergonomics</i> , 2018, 61, 273-283.  | 1.1 | 10        |
| 21 | Effect of economically friendly acustimulation approach against cybersickness in video-watching tasks using consumer virtual reality devices. <i>Applied Ergonomics</i> , 2020, 82, 102946.  | 1.7 | 10        |
| 22 | Modelling performance during repetitive precision tasks using wearable sensors: a data-driven approach. <i>Ergonomics</i> , 2020, 63, 831-849.   | 1.1 | 10        |
| 23 | Developing a taxonomy of coordination behaviours in nuclear power plant control rooms during emergencies. <i>Ergonomics</i> , 2017, 60, 1634-1652.   | 1.1 | 8         |
| 24 | Subject-specific hand grip fatigability indicator determined using parameter identification technique. <i>Human Factors and Ergonomics in Manufacturing</i> , 2019, 29, 86-94.               | 1.4 | 8         |
| 25 | Using subject-specific three-dimensional (3D) anthropometry data in digital human modelling: case study in hand motion simulation. <i>Ergonomics</i> , 2016, 59, 1526-1539.                  | 1.1 | 7         |
| 26 | Framework for dynamic evaluation of muscle fatigue in manual handling work. , 2008, , .  |     | 6         |
| 27 | Pulling strength, muscular fatigue, and prediction of maximum endurance time for simulated pulling tasks. <i>PLoS ONE</i> , 2018, 13, e0207283.  | 1.1 | 6         |
| 28 | Will you listen to a robot? Effects of robot ability, task complexity, and risk on human decision-making. <i>Advanced Robotics</i> , 2021, 35, 1156-1166.                                    | 1.1 | 6         |
| 29 | Event-related driver stress detection with smartphones among young novice drivers. <i>Ergonomics</i> , 2022, 65, 1154-1172.  | 1.1 | 5         |
| 30 | Survey of ear anthropometry for young college students in China and its implications for ear-related product design. <i>Human Factors and Ergonomics in Manufacturing</i> , 2021, 31, 86-97. | 1.4 | 4         |
| 31 | Long-Haul Vehicle Routing and Scheduling with Biomathematical Fatigue Constraints. <i>Transportation Science</i> , 2022, 56, 404-435.  | 2.6 | 4         |
| 32 | Promotion of cooperative lane changes by use of emotional vehicle-to-vehicle communication. <i>Applied Ergonomics</i> , 2022, 102, 103742.   | 1.7 | 4         |
| 33 | Human arm simulation for interactive constrained environment design. <i>International Journal on Interactive Design and Manufacturing</i> , 2013, 7, 27-36.                                  | 1.3 | 2         |
| 34 | An exploratory study comparing three work/rest schedules during simulated repetitive precision work. <i>Ergonomics</i> , 2021, 64, 1579-1594.  | 1.1 | 1         |
| 35 | Human-computer interaction in freeform object design and simultaneous manufacturing. , 2004, 5444, 265.  |     | 0         |
| 36 | How to Create a Knowledge Management Method? A Primary Study. , 2011, , .  |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Novel approach to estimate endurance limits in intermittent tasks. Human Factors and Ergonomics in Manufacturing, 2022, 32, 321-334. | 1.4 | 0         |
| 38 | Safety Issues in Human-Machine Collaboration and Possible Countermeasures. Lecture Notes in Computer Science, 2022, , 263-277.       | 1.0 | 0         |