Liang

List of Publications by Year
in descending order

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	Novel approach to estimate endurance limits in intermittent tasks. Human Factors and Ergonomics in Manufacturing, 2022, 32, 321-334.	1.4	0
2	Event-related driver stress detection with smartphones among young novice drivers. Ergonomics, 2022, 65, 1154-1172.	1.1	5
3	Challenges of human–machine collaboration in risky decision-making. Frontiers of Engineering Management, 2022, 9, 89-103.	3.3	24
4	Long-Haul Vehicle Routing and Scheduling with Biomathematical Fatigue Constraints. Transportation Science, 2022, 56, 404-435.	2.6	4
5	Promotion of cooperative lane changes by use of emotional vehicle-to-vehicle communication. Applied Ergonomics, 2022, 102, 103742.	1.7	4
6	Safety Issues in Human-Machine Collaboration and Possible Countermeasures. Lecture Notes in Computer Science, 2022, , 263-277.	1.0	0
7	Survey of ear anthropometry for young college students in China and its implications for ear–related product design. Human Factors and Ergonomics in Manufacturing, 2021, 31, 86-97.	1.4	4
8	An exploratory study comparing three work/rest schedules during simulated repetitive precision work. Ergonomics, 2021, 64, 1579-1594.	1.1	1
9	Will you listen to a robot? Effects of robot ability, task complexity, and risk on human decision-making. Advanced Robotics, 2021, 35, 1156-1166.	1.1	6
10	Vibration warning design for reaction time reduction under the environment of intelligent connected vehicles. Applied Ergonomics, 2021, 96, 103490.	1.7	11
11	Effect of economically friendly acustimulation approach against cybersickness in video-watching tasks using consumer virtual reality devices. Applied Ergonomics, 2020, 82, 102946.	1.7	10
12	Modelling performance during repetitive precision tasks using wearable sensors: a data-driven approach. Ergonomics, 2020, 63, 831-849.	1.1	10
13	Road traffic accident severity analysis: A census-based study in China. Journal of Safety Research, 2019, 70, 135-147.	1.7	54
14	User-defined information sharing for team situation awareness and teamwork. Ergonomics, 2019, 62, 1098-1112.	1.1	15
15	Subject–specific hand grip fatigability indicator determined using parameter identification technique. Human Factors and Ergonomics in Manufacturing, 2019, 29, 86-94.	1.4	8
16	Modeling and mitigating fatigue-related accident risk of taxi drivers. Accident Analysis and Prevention, 2019, 123, 79-87.	3.0	37
17	Human Work and Status Evaluation Based on Wearable Sensors in Human Factors and Ergonomics: A Review. IEEE Transactions on Human-Machine Systems, 2019, 49, 72-84.	2.5	34
18	Visual search tasks: measurement of dynamic visual lobe and relationship with display movement velocity. Ergonomics, 2018, 61, 273-283.	1.1	10

#	Article	IF	Citations
19	Experimental validation of a subject-specific maximum endurance time model. Ergonomics, 2018, 61, 806-817.	1.1	19
20	Pulling strength, muscular fatigue, and prediction of maximum endurance time for simulated pulling tasks. PLoS ONE, 2018, 13, e0207283.	1.1	6
21	An interview study exploring Tesla drivers' behavioural adaptation. Applied Ergonomics, 2018, 72, 37-47.	1.7	61
22	Developing a taxonomy of coordination behaviours in nuclear power plant control rooms during emergencies. Ergonomics, 2017, 60, 1634-1652.	1.1	8
23	Fatigue of Chinese railway employees and its influential factors: Structural equation modelling. Applied Ergonomics, 2017, 62, 131-141.	1.7	21
24	Using subject-specific three-dimensional (3D) anthropometry data in digital human modelling: case study in hand motion simulation. Ergonomics, 2016, 59, 1526-1539.	1.1	7
25	Understanding lurkers in online communities: A literature review. Computers in Human Behavior, 2014, 38, 110-117.	5.1	367
26	Muscular fatigue and maximum endurance time assessment for male and female industrial workers. International Journal of Industrial Ergonomics, 2014, 44, 292-297.	1.5	44
27	Human arm simulation for interactive constrained environment design. International Journal on Interactive Design and Manufacturing, 2013, 7, 27-36.	1.3	2
28	Determination of subject-specific muscle fatigue rates under static fatiguing operations. Ergonomics, 2013, 56, 1889-1900.	1.1	28
29	How to Create a Knowledge Management Method? A Primary Study. , 2011, , .		0
30	Fatigue evaluation in maintenance and assembly operations by digital human simulation in virtual environment. Virtual Reality, 2011, 15, 55-68.	4.1	26
31	Predicting real-world ergonomic measurements by simulation in a virtual environment. International Journal of Industrial Ergonomics, 2011, 41, 64-71.	1.5	63
32	A novel approach for determining fatigue resistances of different muscle groups in static cases. International Journal of Industrial Ergonomics, 2011, 41, 10-18.	1.5	59
33	A framework for interactive work design based on motion tracking, simulation, and analysis. Human Factors and Ergonomics in Manufacturing, 2010, 20, 339-352.	1.4	23
34	A new muscle fatigue and recovery model and its ergonomics application in human simulation. Virtual and Physical Prototyping, 2010, 5, 123-137.	5.3	55
35	Multi-objective optimisation method for posture prediction and analysis with consideration of fatigue effect and its application case. Computers and Industrial Engineering, 2009, 57, 1235-1246.	3.4	53
36	A new simple dynamic muscle fatigue model and its validation. International Journal of Industrial Ergonomics, 2009, 39, 211-220.	1.5	178

#	Article	IF	Citations
37	Framework for dynamic evaluation of muscle fatigue in manual handling work. , 2008, , .		6
38	Human-computer interaction in freeform object design and simultaneous manufacturing. , 2004, 5444, 265.		0