Yiqi Zhang

List of Publications by Year
in descending order

32	400	933447 10	794594 19
papers	citations	h-index	g-index

33	33	33	318
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effects of sunshields on red light running behavior of cyclists and electric bike riders. Accident Analysis and Prevention, 2013, 52, 210-218.	5.7	65
2	Online Prediction of Driver Distraction Based on Brain Activity Patterns. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 136-150.	8.0	64
3	Drivers trust, acceptance, and takeover behaviors in fully automated vehicles: Effects of automated driving styles and driverâ€™s driving styles. Accident Analysis and Prevention, 2021, 159, 106238.	5.7	35
4	Effects of lead time of verbal collision warning messages on driving behavior in connected vehicle settings. Journal of Safety Research, 2016, 58, 89-98.	3.6	33
5	The effects of warning characteristics on driver behavior in connected vehicles systems with missed warnings. Accident Analysis and Prevention, 2019, 124, 138-145.	5.7	21
6	Mathematical Modeling of the Effects of Speech Warning Characteristics on Human Performance and Its Application in Transportation Cyberphysical Systems. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3062-3074.	8.0	20
7	The effects of takeover request lead time on driversâ€™ situation awareness for manually exiting from freeways: A web-based study on level 3Âautomated vehicles. Accident Analysis and Prevention, 2022, 168, 106593.	5.7	20
8	Drinking and driving behavior at stop signs and red lights. Accident Analysis and Prevention, 2017, 104, 10-17.	5.7	14
9	Head-up Display Graphic Warning System Facilitates Simulated Driving Performance. International Journal of Human-Computer Interaction, 2019, 35, 796-803.	4.8	14
10	Psychometric examination and validation of the aggressive driving scale (ADS). Aggressive Behavior, 2016, 42, 313-323.	2.4	13
11	Investigating the Effects of Automated Driving Styles and Driverâ€™s Driving Styles on Driver Trust, Acceptance, and Take Over Behaviors. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 2001-2005.	0.3	12
12	Effects of Field Dependence-Independence and Frame of Reference on Navigation Performance Using Multi-dimensional Electronic Maps. Personality and Individual Differences, 2016, 97, 289-299.	2.9	11
13	Effects of Non-Speech Auditory Cues on Control Transition Behaviors in Semi-Automated Vehicles: Empirical Study, Modeling, and Validation. International Journal of Human-Computer Interaction, 2022, 38, 185-200.	4.8	10
14	A Cognitive Computational Model of Driver Warning Response Performance in Connected Vehicle Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14790-14805.	8.0	9
15	Modeling the effects of auditory display takeover requests on drivers' behavior in autonomous vehicles. , 2019, , .		8
16	Driver-Automated Vehicle Interaction in Mixed Traffic: Types of Interaction and Driversâ€™ Driving Styles. Human Factors, 2024, 66, 544-561.	3.5	8
17	Assessing the potential impacts of connected vehicle systems on Driverâ€™s situation awareness and driving performance. Transportation Research Part F: Traffic Psychology and Behaviour, 2022, 84, 177-193.	3.7	7
18	Modeling the Effects of Warning Lead Time, Warning Reliability and Warning Style on Human Performance Under Connected Vehicle Settings. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 701-701.	0.3	6

#	Article	IF	Citations
19	Learn to Integrate Mathematical Models in Human Performance Modeling. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 776-780.	0.3	5
20	The Effect of Lead Time of Collision Warning Messages on Driver Performance. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 2088-2092.	0.3	4
21	A human-in-the-loop wireless warning message notification model and its application in connected vehicle systems. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2017, 21, 148-166.	4.2	4
22	Development and validation of a model to predict blood alcohol concentrations: Updating the NHTSA equation. Addictive Behaviors, 2017, 71, 46-53.	3.0	4
23	The influential factors on nursesâ€™ situation awareness in inpatient settings: A literature review. Human Factors in Healthcare, 2021, 1, 100006.	1.5	4
24	Development and Validation of Warning Message Utility Scale (WMUS). Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1179-1183.	0.3	2
25	Modeling the Effect of Loudness and Semantics of Speech Warnings on Human Performances. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 817-821.	0.3	2
26	The Prediction of Collisions in Connected Vehicle Systems with A Long Short-Term Memory Model. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 775-779.	0.3	2
27	Psychometric Examination and Validation of the Aggressive Driving Scale (ADS). Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 2131-2135.	0.3	1
28	Addressing the Safety of Transportation Cyber-Physical Systems: Development and Validation of a Verbal Warning Utility Scale for Intelligent Transportation Systems. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	1
29	Computational Modeling of Driving Behaviors: Challenges and Approaches. , 2021, , .		1
30	Effects of Warning Characteristics on Driver Performance in Connected Vehicle Systems with Missing Warnings. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1827-1827.	0.3	0
31	The Effects of Warning Lead Time on Situation Awareness in Connected Vehicle Systems. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 2024-2024.	0.3	0
32	The Relationship Between Takeover Request Lead Time and Driversâ€™ Situation Awareness for Freeway Exiting in Conditionally Automated Driving. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1385-1389.	0.3	0