

Mark Vollrath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1681250/publications.pdf>

Version: 2024-02-01

50
papers

1,473
citations

361413

20
h-index

330143

37
g-index

51
all docs

51
docs citations

51
times ranked

1259
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Driver's Automation Interaction. Human Factors, 2013, 55, 1130-1141.	3.5	210
2	Asleep at the automated wheel? Sleepiness and fatigue during highly automated driving. Accident Analysis and Prevention, 2019, 126, 70-84.	5.7	119
3	How the presence of passengers influences the risk of a collision with another vehicle. Accident Analysis and Prevention, 2002, 34, 649-654.	5.7	95
4	What does the driver look at? The influence of intersection characteristics on attention allocation and driving behavior. Accident Analysis and Prevention, 2012, 45, 610-619.	5.7	94
5	Comparison of manual vs. speech-based interaction with in-vehicle information systems. Accident Analysis and Prevention, 2009, 41, 924-930.	5.7	83
6	Transitioning to manual driving requires additional time after automation deactivation. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 55, 464-482.	3.7	75
7	How to present collision warnings at intersections? A comparison of different approaches. Accident Analysis and Prevention, 2013, 52, 91-99.	5.7	55
8	Systematic review of observational studies on secondary task engagement while driving. Accident Analysis and Prevention, 2018, 119, 225-236.	5.7	55
9	The effect of visual and cognitive distraction on driver's anticipation in a simulated car following scenario. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 555-566.	3.7	54
10	Timing of early warning stages in a multi stage collision warning system: Drivers' evaluation depending on situational influences. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 36, 57-68.	3.7	44
11	Do German drivers use their smartphones safely? Not really!. Accident Analysis and Prevention, 2016, 96, 29-38.	5.7	41
12	Driving With a Partially Autonomous Forward Collision Warning System. Human Factors, 2012, 54, 698-708.	3.5	39
13	Expectations while car following? The consequences for driving behaviour in a simulated driving task. Accident Analysis and Prevention, 2010, 42, 2158-2164.	5.7	36
14	Distraction while driving: The case of older drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 638-648.	3.7	33
15	How to warn drivers in various safety-critical situations? Different strategies, different reactions. Accident Analysis and Prevention, 2018, 117, 410-426.	5.7	29
16	What Makes a Cooperative Driver? Identifying parameters of implicit and explicit forms of communication in a lane change scenario. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 1031-1042.	3.7	25
17	Driver secondary tasks in Germany: Using interviews to estimate prevalence. Accident Analysis and Prevention, 2011, 43, 1703-1712.	5.7	21
18	Perfect Timing. Human Factors, 2014, 56, 249-259.	3.5	21

#	ARTICLE	IF	CITATIONS
19	How do environmental characteristics at intersections change in their relevance for drivers before entering an intersection: analysis of drivers' gaze and driving behavior in a driving simulator study. <i>Cognition, Technology and Work</i> , 2014, 16, 157-169.	3.0	21
20	Simulating Visual Contrast Reduction during Nighttime Glare Situations on Conventional Displays. <i>ACM Transactions on Applied Perception</i> , 2017, 14, 1-20.	1.9	20
21	Conversing while driving: The importance of visual information for conversation modulation. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2011, 14, 512-524.	3.7	19
22	Practice makes better – Learning effects of driving with a multi-stage collision warning. <i>Accident Analysis and Prevention</i> , 2018, 117, 398-409.	5.7	19
23	Effect of chronic opioid therapy on actual driving performance in non-cancer pain patients. <i>Psychopharmacology</i> , 2017, 234, 989-999.	3.1	18
24	Alcohol-related impairment in the Lane Change Task. <i>Accident Analysis and Prevention</i> , 2010, 42, 1983-1988.	5.7	17
25	Distraction in older drivers – A face-to-face interview study. <i>Safety Science</i> , 2012, 50, 502-509.	4.9	17
26	Make this detour and be unselfish! Influencing urban route choice by explaining traffic management. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 53, 99-116.	3.7	17
27	The System Theoretic Accident Modelling and Process (STAMP) of medical pilot knock-out events: Pilot incapacitation and homicide-suicide. <i>Safety Science</i> , 2018, 110, 58-71.	4.9	16
28	When does alcohol hurt? A driving simulator study. <i>Accident Analysis and Prevention</i> , 2017, 109, 89-98.	5.7	15
29	Distractive or Supportive – How Warnings in the Head-up Display Affect Drivers' Gaze and Driving Behavior. , 2015, , .		14
30	The influence of attention allocation and age on intersection accidents. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 43, 1-14.	3.7	14
31	Task Interruption and Control Recovery Strategies After Take-Over Requests Emphasize Need for Measures of Situation Awareness. <i>Human Factors</i> , 2020, 62, 1190-1211.	3.5	14
32	Investigating urban route choice as a conflict between waiting at traffic lights and additional travel time. <i>Transportation Research Procedia</i> , 2017, 25, 2428-2440.	1.5	13
33	Learning the Lane Change Task: Comparing different training regimes in semi-paced and continuous secondary tasks. <i>Applied Ergonomics</i> , 2012, 43, 940-947.	3.1	12
34	Human-Machine Interface Design for Monitoring Safety Risks Associated with Operating Small Unmanned Aircraft Systems in Urban Areas. <i>Aerospace</i> , 2021, 8, 71.	2.2	11
35	The effects of road, driver, and passenger presence on drivers' choice of speed: a driving simulator study. <i>Transportation Research Procedia</i> , 2017, 25, 2061-2075.	1.5	10
36	Secondary task engagement in German cyclists – An observational study. <i>Safety Science</i> , 2019, 120, 290-298.	4.9	9

#	ARTICLE	IF	CITATIONS
37	Young people use their smartphone all the time – even when crossing the street?. IET Intelligent Transport Systems, 2019, 13, 1213-1217.	3.0	9
38	Situational influences on response time and maneuver choice: Development of time-critical scenarios. Accident Analysis and Prevention, 2019, 122, 48-62.	5.7	9
39	Effect of complex traffic situations on route choice behaviour and driver stress in residential areas. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 60, 274-287.	3.7	8
40	Visualizing distances as a function of speed: Design and evaluation of a distance-speedometer. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 64, 260-273.	3.7	7
41	Evaluating the effectiveness of different cartographic design variants for influencing route choice. Cartography and Geographic Information Science, 2021, 48, 169-185.	3.0	7
42	Even experienced phone users drive worse while texting – A driving simulator study. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 78, 218-225.	3.7	6
43	Detecting intoxicated drivers in Germany – estimating the effectiveness of police tests. Accident Analysis and Prevention, 2000, 32, 665-672.	5.7	5
44	Effects of Observability, Mood States, and Workload on Human Handling Errors When Monitoring Aircraft Automation. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1481-1485.	0.3	4
45	Occupant Monitoring in Automated Vehicles: Classification of Situation Awareness Based on Head Movements While Cornering. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 2078-2082.	0.3	4
46	Ecological Interface Design and Head-Up Displays: The Contact-Analog Visualization Tradeoff. Human Factors, 2023, 65, 37-49.	3.5	3
47	Icon Design for Representing Safety-Critical Aircraft Functions to Support Supervisory Control of Remotely Piloted Aircraft Systems. Aerospace, 2022, 9, 181.	2.2	2
48	How Did You Like This Ride? An Analysis of User Preferences in Ridesharing Assignments. , 2020, , .		1
49	Attentional Dynamics After Take-Over Requests: The Need for Handover Assistance Systems in Highly Automated Vehicles. Lecture Notes in Computer Science, 2019, , 128-142.	1.3	1
50	How Did You Like This Ride? An Analysis of User Preferences in Ridesharing Assignments. , 2020, , .		0