Mark Vollrath

List of Publications by Year
in descending order

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	Ecological Interface Design and Head-Up Displays: The Contact-Analog Visualization Tradeoff. Human Factors, 2023, 65, 37-49.	3.5	3
2	Icon Design for Representing Safety-Critical Aircraft Functions to Support Supervisory Control of Remotely Piloted Aircraft Systems. Aerospace, 2022, 9, 181.	2.2	2
3	Human–Machine Interface Design for Monitoring Safety Risks Associated with Operating Small Unmanned Aircraft Systems in Urban Areas. Aerospace, 2021, 8, 71.	2.2	11
4	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
5	Evaluating the effectiveness of different cartographic design variants for influencing route choice. Cartography and Geographic Information Science, 2021, 48, 169-185.	3.0	7
6	Task Interruption and Control Recovery Strategies After Take-Over Requests Emphasize Need for Measures of Situation Awareness. Human Factors, 2020, 62, 1190-1211.	3.5	14
7	How Did You Like This Ride? An Analysis of User Preferences in Ridesharing Assignments. , 2020, , .		1
8	How Did You Like This Ride? An Analysis of User Preferences in Ridesharing Assignments. , 2020, , .		0
9	Secondary task engagement in German cyclists – An observational study. Safety Science, 2019, 120, 290-298.	4.9	9
10	Young people use their smartphone all the time – even when crossing the street?. IET Intelligent Transport Systems, 2019, 13, 1213-1217.	3.0	9
11	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
12	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
13	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
14	Situational influences on response time and maneuver choice: Development of time-critical scenarios. Accident Analysis and Prevention, 2019, 122, 48-62.	5.7	9
15	Asleep at the automated wheel—Sleepiness and fatigue during highly automated driving. Accident Analysis and Prevention, 2019, 126, 70-84.	5.7	119
16	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
17	Practice makes better – Learning effects of driving with a multi-stage collision warning. Accident Analysis and Prevention, 2018, 117, 398-409.	5.7	19
18	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

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19	Make this detour and be unselfish! Influencing urban route choice by explaining traffic management. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 53, 99-116.	3.7	17
20	How to warn drivers in various safety-critical situations â€" Different strategies, different reactions. Accident Analysis and Prevention, 2018, 117, 410-426.	5.7	29
21	Systematic review of observational studies on secondary task engagement while driving. Accident Analysis and Prevention, 2018, 119, 225-236.	5.7	55
22	The System Theoretic Accident Modelling and Process (STAMP) of medical pilot knock-out events: Pilot incapacitation and homicide-suicide. Safety Science, 2018, 110, 58-71.	4.9	16
23	â€œWhat Makes a Cooperative Driver?â€•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
24	Simulating Visual Contrast Reduction during Nighttime Glare Situations on Conventional Displays. ACM Transactions on Applied Perception, 2017, 14, 1-20.	1.9	20
25	Effect of chronic opioid therapy on actual driving performance in non-cancer pain patients. Psychopharmacology, 2017, 234, 989-999.	3.1	18
26	When does alcohol hurt? A driving simulator study. Accident Analysis and Prevention, 2017, 109, 89-98.	5.7	15
27	The effects of road, driver, and passenger presence on driversâ€™ choice of speed: a driving simulator study. Transportation Research Procedia, 2017, 25, 2061-2075.	1.5	10
28	Investigating urban route choice as a conflict between waiting at traffic lights and additional travel time. Transportation Research Procedia, 2017, 25, 2428-2440.	1.5	13
29	The influence of attention allocation and age on intersection accidents. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 43, 1-14.	3.7	14
30	Do German drivers use their smartphones safely?â€"Not really!. Accident Analysis and Prevention, 2016, 96, 29-38.	5.7	41
31	Timing of early warning stages in a multi stage collision warning system: Driversâ€™ evaluation depending on situational influences. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 36, 57-68.	3.7	44
32	Distractive or Supportive -- How Warnings in the Head-up Display Affect Drivers' Gaze and Driving Behavior. , 2015, , .		14
33	Perfect Timing. Human Factors, 2014, 56, 249-259.	3.5	21
34	How do environmental characteristics at intersections change in their relevance for drivers before entering an intersection: analysis of driversâ€™ gaze and driving behavior in a driving simulator study. Cognition, Technology and Work, 2014, 16, 157-169.	3.0	21
35	How to present collision warnings at intersections?â€"A comparison of different approaches. Accident Analysis and Prevention, 2013, 52, 91-99.	5.7	55
36	Improving the Driverâ€"Automation Interaction. Human Factors, 2013, 55, 1130-1141.	3.5	210

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37	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
38	Driving With a Partially Autonomous Forward Collision Warning System. Human Factors, 2012, 54, 698-708.	3.5	39
39	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
40	Learning the Lane Change Task: Comparing different training regimes in semi-paced and continuous secondary tasks. Applied Ergonomics, 2012, 43, 940-947.	3.1	12
41	Distraction in older drivers â€" A face-to-face interview study. Safety Science, 2012, 50, 502-509.	4.9	17
42	Conversing while driving: The importance of visual information for conversation modulation. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 512-524.	3.7	19
43	The effect of visual and cognitive distraction on driverâ€™s anticipation in a simulated car following scenario. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 555-566.	3.7	54
44	Distraction while driving: The case of older drivers. Transportation Research Part F: Traffic Psychology and Behaviour, 2011, 14, 638-648.	3.7	33
45	Driver secondary tasks in Germany: Using interviews to estimate prevalence. Accident Analysis and Prevention, 2011, 43, 1703-1712.	5.7	21
46	Alcohol-related impairment in the Lane Change Task. Accident Analysis and Prevention, 2010, 42, 1983-1988.	5.7	17
47	Expectations while car followingâ€"The consequences for driving behaviour in a simulated driving task. Accident Analysis and Prevention, 2010, 42, 2158-2164.	5.7	36
48	Comparison of manual vs. speech-based interaction with in-vehicle information systems. Accident Analysis and Prevention, 2009, 41, 924-930.	5.7	83
49	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
50	Detecting intoxicated drivers in Germany â€" estimating the effectiveness of police tests. Accident Analysis and Prevention, 2000, 32, 665-672.	5.7	5