Frederik Naujoks

List of Publications by Year
in descending order

56 papers	1,476 citations	257450 24 h-index	361022 35 g-index

58 all docs	58 docs citations	58 times ranked	782 citing authors

#	Article	IF	Citations
1	Context and Culture affect the Psychometrics of Questionnaires evaluating Speech-based Assistants. , 2021, , .		1
2	The box task - a method for assessing in-vehicle system demand. MethodsX, 2021, 8, 101261.	1.6	5
3	How Many Participants Are Required for Validation of Automated Vehicle Interfaces in User Studies?. Information (Switzerland), 2021, 12, 410.	2.9	1
4	Empirical Validation of a Checklist for Heuristic Evaluation of Automated Vehicle HMIs. Advances in Intelligent Systems and Computing, 2020, , 3-14.	0.6	4
5	Self-report measures for the assessment of humanâ€“machine interfaces in automated driving. Cognition, Technology and Work, 2020, 22, 703-720.	3.0	15
6	Effects of secondary tasks and display position on glance behavior during partially automated driving. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 68, 23-32.	3.7	20
7	What and how to tell beforehand: The effect of user education on understanding, interaction and satisfaction with driving automation. Transportation Research Part F: Traffic Psychology and Behaviour, 2020, 68, 316-335.	3.7	25
8	Methodological Approach towards Evaluating the Effects of Non-Driving Related Tasks during Partially Automated Driving. Information (Switzerland), 2020, 11, 340.	2.9	4
9	Editorial for Special Issue: Test and Evaluation Methods for Human-Machine Interfaces of Automated Vehicles. Information (Switzerland), 2020, 11, 403.	2.9	2
10	Standardized Test Procedure for External Humanâ€“Machine Interfaces of Automated Vehicles. Information (Switzerland), 2020, 11, 173.	2.9	28
11	Checklist for Expert Evaluation of HMIs of Automated Vehiclesâ€”Discussions on Its Value and Adaptions of the Method within an Expert Workshop. Information (Switzerland), 2020, 11, 233.	2.9	13
12	Measuring driver distraction â€“ Evaluation of the box task method as a tool for assessing in-vehicle system demand. Applied Ergonomics, 2020, 88, 103181.	3.1	14
13	Engagement in Non-Driving Related Tasks as a Non-Intrusive Measure for Mode Awareness: A Simulator Study. Information (Switzerland), 2020, 11, 239.	2.9	11
14	Usability Evaluationâ€”Advances in Experimental Design in the Context of Automated Driving Humanâ€“Machine Interfaces. Information (Switzerland), 2020, 11, 240.	2.9	10
15	Using European naturalistic driving data to assess secondary task engagement when stopped at a red light. Journal of Safety Research, 2020, 73, 235-243.	3.6	3
16	Humanâ€“Vehicle Integration in the Code of Practice for Automated Driving. Information (Switzerland), 2020, 11, 284.	2.9	4
17	A Methodological Approach to Determine the Benefits of External HMI During Interactions Between Cyclists and Automated Vehicles: A Bicycle Simulator Study. Lecture Notes in Computer Science, 2020, , 211-227.	1.3	9
18	How Important is the Plausibility of Test Scenarios Within Usability Studies for AV HMI?. Advances in Intelligent Systems and Computing, 2020, , 77-84.	0.6	0

#	Article	IF	Citations
19	Test procedure for evaluating the humanâ€“machine interface of vehicles with automated driving systems. Traffic Injury Prevention, 2019, 20, S146-S151.	1.4	26
20	Towards guidelines and verification methods for automated vehicle HMIs. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 60, 121-136.	3.7	57
21	Noncritical State Transitions During Conditionally Automated Driving on German Freeways: Effects of Nonâ€“Driving Related Tasks on Takeover Time and Takeover Quality. Human Factors, 2019, 61, 596-613.	3.5	60
22	Tell Them How They Did: Feedback on Operator Performance Helps Calibrate Perceived Ease of Use in Automated Driving. Multimodal Technologies and Interaction, 2019, 3, 29.	2.5	6
23	User Education in Automated Driving: Ownerâ€™s Manual and Interactive Tutorial Support Mental Model Formation and Human-Automation Interaction. Information (Switzerland), 2019, 10, 143.	2.9	48
24	Learning to use automation: Behavioral changes in interaction with automated driving systems. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 62, 599-614.	3.7	45
25	The impact of an in-vehicle display on glance distribution in partially automated driving in an on-road experiment. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 52, 40-50.	3.7	29
26	Effect of different alcohol levels on take-over performance in conditionally automated driving. Accident Analysis and Prevention, 2018, 115, 89-97.	5.7	49
27	A Review of Non-driving-related Tasks Used in Studies on Automated Driving. Advances in Intelligent Systems and Computing, 2018, , 525-537.	0.6	47
28	Testing Scenarios for Human Factors Research in Level 3 Automated Vehicles. Advances in Intelligent Systems and Computing, 2018, , 551-559.	0.6	23
29	Understanding and Applying the Concept of â€œDriver Availabilityâ€•in Automated Driving. Advances in Intelligent Systems and Computing, 2018, , 595-605.	0.6	27
30	Unskilled and Unaware. , 2018, , .		3
31	How Usability Can Save the Day - Methodological Considerations for Making Automated Driving a Success Story. , 2018, , .		21
32	Use Cases for Assessing, Testing, and Validating the Human Machine Interface of Automated Driving Systems. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1873-1877.	0.3	20
33	From partial and high automation to manual driving: Relationship between non-driving related tasks, drowsiness and take-over performance. Accident Analysis and Prevention, 2018, 121, 28-42.	5.7	91
34	Expert-based controllability assessment of control transitions from automated to manual driving. MethodsX, 2018, 5, 579-592.	1.6	33
35	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
36	The perceived criticality of different time headways is depending on velocity. Transportation Research Part F: Traffic Psychology and Behaviour, 2018, 58, 1043-1052.	3.7	9

#	Article	IF	Citations
37	Learning the â€œLanguageâ€•of Road Users - How Shall a Self-driving Car Convey Its Intention to Cooperate to Other Human Drivers?. Advances in Intelligent Systems and Computing, 2018, , 53-63.	0.6	4
38	Evaluating distraction of in-vehicle information systems while driving by predicting total eyes-off-road times with keystroke level modeling. Applied Ergonomics, 2017, 58, 543-554.	3.1	29
39	Driver compliance to take-over requests with different auditory outputs in conditional automation. Accident Analysis and Prevention, 2017, 109, 18-28.	5.7	88
40	Control Transition Workshop. , 2017, , .		8
41	Driving performance at lateral system limits during partially automated driving. Accident Analysis and Prevention, 2017, 108, 147-162.	5.7	41
42	Increasing anthropomorphism and trust in automated driving functions by adding speech output. , 2017, , .		49
43	A Human-Machine Interface for Cooperative Highly Automated Driving. Advances in Intelligent Systems and Computing, 2017, , 585-595.	0.6	32
44	The Importance of Interruption Management for Usefulness and Acceptance of Automated Driving. , 2017, , .		22
45	Improving Usefulness of Automated Driving by Lowering Primary Task Interference through HMI Design. Journal of Advanced Transportation, 2017, 2017, 1-12.	1.7	39
46	Your Turn or My Turn?. , 2016, , .		35
47	Cooperative warning systems: The impact of false and unnecessary alarms on driversâ€™ compliance. Accident Analysis and Prevention, 2016, 97, 162-175.	5.7	49
48	Secondary task engagement and vehicle automation â€“ Comparing the effects of different automation levels in an on-road experiment. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 38, 67-82.	3.7	108
49	Controllability of Partially Automated Driving functions â€“ Does it matter whether drivers are allowed to take their hands off the steering wheel?. Transportation Research Part F: Traffic Psychology and Behaviour, 2015, 35, 185-198.	3.7	62
50	Determining maximum velocity for automated driving functions. , 2015, , 517-524.		0
51	Effectiveness of advisory warnings based on cooperative perception. IET Intelligent Transport Systems, 2015, 9, 606-617.	3.0	26
52	Advisory warnings based on cooperative perception. , 2014, , .		23
53	Behavioral adaptation caused by predictive warning systems â€“ The case of congestion tail warnings. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 26, 49-61.	3.7	35
54	Specificity and timing of advisory warnings based on cooperative perception. , 2014, , 229-238.		15

#	Article	IF	Citations
55	Vorhersage von Blickabwendungszeiten mit Keystroke-Level-Modeling. , 2014, , 239-248.		1
56	Learning and Development of Mental Models during Interactions with Driving Automation: A Simulator Study. , 0, , .		20