

Frederik Naujoks

List of Publications by Year in descending order

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Version: 2024-02-01

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	Secondary task engagement and vehicle automation – 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
2	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
3	Driver compliance to take-over requests with different auditory outputs in conditional automation. Accident Analysis and Prevention, 2017, 109, 18-28.	5.7	88
4	Controllability of Partially Automated Driving functions – 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
5	Noncritical State Transitions During Conditionally Automated Driving on German Freeways: Effects of Non-Driving Related Tasks on Takeover Time and Takeover Quality. Human Factors, 2019, 61, 596-613.	3.5	60
6	Towards guidelines and verification methods for automated vehicle HMIs. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 60, 121-136.	3.7	57
7	Cooperative warning systems: The impact of false and unnecessary alarms on drivers' compliance. Accident Analysis and Prevention, 2016, 97, 162-175.	5.7	49
8	Increasing anthropomorphism and trust in automated driving functions by adding speech output. , 2017, , .		49
9	Effect of different alcohol levels on take-over performance in conditionally automated driving. Accident Analysis and Prevention, 2018, 115, 89-97.	5.7	49
10	User Education in Automated Driving: Owner's Manual and Interactive Tutorial Support Mental Model Formation and Human-Automation Interaction. Information (Switzerland), 2019, 10, 143.	2.9	48
11	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
12	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
13	Driving performance at lateral system limits during partially automated driving. Accident Analysis and Prevention, 2017, 108, 147-162.	5.7	41
14	Improving Usefulness of Automated Driving by Lowering Primary Task Interference through HMI Design. Journal of Advanced Transportation, 2017, 2017, 1-12.	1.7	39
15	Behavioral adaptation caused by predictive warning systems – The case of congestion tail warnings. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 26, 49-61.	3.7	35
16	Your Turn or My Turn?. , 2016, , .		35
17	Expert-based controllability assessment of control transitions from automated to manual driving. MethodsX, 2018, 5, 579-592.	1.6	33
18	A Human-Machine Interface for Cooperative Highly Automated Driving. Advances in Intelligent Systems and Computing, 2017, , 585-595.	0.6	32

#	ARTICLE	IF	CITATIONS
19	Evaluating distraction of in-vehicle information systems while driving by predicting total eyes-off-road times with keystroke level modeling. <i>Applied Ergonomics</i> , 2017, 58, 543-554.	3.1	29
20	The impact of an in-vehicle display on glance distribution in partially automated driving in an on-road experiment. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 52, 40-50.	3.7	29
21	Standardized Test Procedure for External Human-Machine Interfaces of Automated Vehicles. <i>Information (Switzerland)</i> , 2020, 11, 173.	2.9	28
22	Understanding and Applying the Concept of "Driver Availability" in Automated Driving. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 595-605.	0.6	27
23	Effectiveness of advisory warnings based on cooperative perception. <i>IET Intelligent Transport Systems</i> , 2015, 9, 606-617.	3.0	26
24	Test procedure for evaluating the human-machine interface of vehicles with automated driving systems. <i>Traffic Injury Prevention</i> , 2019, 20, S146-S151.	1.4	26
25	"What Makes a Cooperative Driver?" Identifying parameters of implicit and explicit forms of communication in a lane change scenario. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2018, 58, 1031-1042.	3.7	25
26	What and how to tell beforehand: The effect of user education on understanding, interaction and satisfaction with driving automation. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 68, 316-335.	3.7	25
27	Advisory warnings based on cooperative perception. , 2014, , .		23
28	Testing Scenarios for Human Factors Research in Level 3 Automated Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 551-559.	0.6	23
29	The Importance of Interruption Management for Usefulness and Acceptance of Automated Driving. , 2017, , .		22
30	How Usability Can Save the Day - Methodological Considerations for Making Automated Driving a Success Story. , 2018, , .		21
31	Use Cases for Assessing, Testing, and Validating the Human Machine Interface of Automated Driving Systems. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1873-1877.	0.3	20
32	Effects of secondary tasks and display position on glance behavior during partially automated driving. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 68, 23-32.	3.7	20
33	Learning and Development of Mental Models during Interactions with Driving Automation: A Simulator Study. , 0, , .		20
34	Self-report measures for the assessment of human-machine interfaces in automated driving. <i>Cognition, Technology and Work</i> , 2020, 22, 703-720.	3.0	15
35	Specificity and timing of advisory warnings based on cooperative perception. , 2014, , 229-238.		15
36	Measuring driver distraction - Evaluation of the box task method as a tool for assessing in-vehicle system demand. <i>Applied Ergonomics</i> , 2020, 88, 103181.	3.1	14

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37	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
38	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
39	Usability Evaluationâ€”Advances in Experimental Design in the Context of Automated Driving Humanâ€”Machine Interfaces. Information (Switzerland), 2020, 11, 240.	2.9	10
40	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
41	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
42	Control Transition Workshop. , 2017, , .		8
43	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
44	The box task - a method for assessing in-vehicle system demand. MethodsX, 2021, 8, 101261.	1.6	5
45	Empirical Validation of a Checklist for Heuristic Evaluation of Automated Vehicle HMIs. Advances in Intelligent Systems and Computing, 2020, , 3-14.	0.6	4
46	Methodological Approach towards Evaluating the Effects of Non-Driving Related Tasks during Partially Automated Driving. Information (Switzerland), 2020, 11, 340.	2.9	4
47	Humanâ€”Vehicle Integration in the Code of Practice for Automated Driving. Information (Switzerland), 2020, 11, 284.	2.9	4
48	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
49	Unskilled and Unaware. , 2018, , .		3
50	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
51	Editorial for Special Issue: Test and Evaluation Methods for Human-Machine Interfaces of Automated Vehicles. Information (Switzerland), 2020, 11, 403.	2.9	2
52	Context and Culture affect the Psychometrics of Questionnaires evaluating Speech-based Assistants. , 2021, , .		1
53	How Many Participants Are Required for Validation of Automated Vehicle Interfaces in User Studies?. Information (Switzerland), 2021, 12, 410.	2.9	1
54	Vorhersage von Blickabwendungszeiten mit Keystroke-Level-Modeling. , 2014, , 239-248.		1

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55	Determining maximum velocity for automated driving functions. , 2015, , 517-524.		0
56	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