

Michael G Lennä©

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,022
citations

279701

23
h-index

254106

43
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59
all docs

59
docs citations

59
times ranked

1470
citing authors

#	ARTICLE	IF	CITATIONS
1	Driver inattention and driver distraction in serious casualty crashes: Data from the Australian National Crash In-depth Study. <i>Accident Analysis and Prevention</i> , 2013, 54, 99-107.	3.0	200
2	A systems approach to accident causation in mining: An application of the HFACS method. <i>Accident Analysis and Prevention</i> , 2012, 48, 111-117.	3.0	168
3	Driver engagement in distracting activities and the strategies used to minimise risk. <i>Safety Science</i> , 2010, 48, 326-332.	2.6	160
4	The crash at Kerang: Investigating systemic and psychological factors leading to unintentional non-compliance at rail level crossings. <i>Accident Analysis and Prevention</i> , 2013, 50, 1278-1288.	3.0	128
5	Objective and subjective measures of sleepiness, and their associations with on-road driving events in shift workers. <i>Journal of Sleep Research</i> , 2013, 22, 58-69.	1.7	106
6	Driver behaviour at rail level crossings: Responses to flashing lights, traffic signals and stop signs in simulated rural driving. <i>Applied Ergonomics</i> , 2011, 42, 548-554.	1.7	84
7	Exploring schema-driven differences in situation awareness between road users: an on-road study of driver, cyclist and motorcyclist situation awareness. <i>Ergonomics</i> , 2014, 57, 191-209.	1.1	76
8	Designing sociotechnical systems with cognitive work analysis: putting theory back into practice. <i>Ergonomics</i> , 2015, 58, 822-851.	1.1	70
9	Injury causation in the great outdoors: A systems analysis of led outdoor activity injury incidents. <i>Accident Analysis and Prevention</i> , 2014, 63, 111-120.	3.0	68
10	Impromaps: Applying Rasmussen's Risk Management Framework to improvisation incidents. <i>Safety Science</i> , 2014, 64, 60-70.	2.6	51
11	More than meets the eye: Using cognitive work analysis to identify design requirements for future rail level crossing systems. <i>Applied Ergonomics</i> , 2016, 53, 312-322.	1.7	50
12	Engaging in NDRTs affects drivers' responses and glance patterns after silent automation failures. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 62, 870-882.	1.8	48
13	Systems thinking applied to safety during manual handling tasks in the transport and storage industry. <i>Accident Analysis and Prevention</i> , 2014, 68, 181-191.	3.0	47
14	Effects of different non-driving-related-task display modes on drivers' eye-movement patterns during take-over in an automated vehicle. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2020, 70, 135-148.	1.8	44
15	Effects on driving performance of interacting with an in-vehicle music player: A comparison of three interface layout concepts for information presentation. <i>Applied Ergonomics</i> , 2011, 42, 583-591.	1.7	41
16	Effectiveness of traffic light vs. boom barrier controls at road-rail level crossings: A simulator study. <i>Accident Analysis and Prevention</i> , 2012, 45, 187-194.	3.0	38
17	Using the Event Analysis of Systemic Teamwork (EAST) to explore conflicts between different road user groups when making right hand turns at urban intersections. <i>Ergonomics</i> , 2014, 57, 1628-1642.	1.1	37
18	Walking the line: Understanding pedestrian behaviour and risk at rail level crossings with cognitive work analysis. <i>Applied Ergonomics</i> , 2016, 53, 209-227.	1.7	36

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19	Driver trust & mode confusion in an on-road study of level-2 automated vehicle technology. <i>Safety Science</i> , 2020, 130, 104845.	2.6	36
20	The relative importance of real-time in-cab and external feedback in managing fatigue in real-world commercial transport operations. <i>Traffic Injury Prevention</i> , 2017, 18, S71-S78.	0.6	33
21	Designing a ticket to ride with the Cognitive Work Analysis Design Toolkit. <i>Ergonomics</i> , 2015, 58, 1266-1286.	1.1	32
22	Where do novice and experienced drivers direct their attention on approach to urban rail level crossings?. <i>Accident Analysis and Prevention</i> , 2015, 77, 1-11.	3.0	30
23	Improvisation: theory, measures and known influencing factors. <i>Theoretical Issues in Ergonomics Science</i> , 2013, 14, 475-498.	1.0	28
24	A sociotechnical design toolkit for bridging the gap between systems-based analyses and system design. <i>Human Factors and Ergonomics in Manufacturing</i> , 2018, 28, 327-341.	1.4	25
25	Using the decision ladder to understand road user decision making at actively controlled rail level crossings. <i>Applied Ergonomics</i> , 2016, 56, 1-10.	1.7	23
26	To stop or not to stop: Contrasting compliant and non-compliant driver behaviour at rural rail level crossings. <i>Accident Analysis and Prevention</i> , 2017, 108, 209-219.	3.0	23
27	Spectral Analysis of EEG During Microsleep Events Annotated via Driver Monitoring System to Characterize Drowsiness. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 1346-1356.	2.6	23
28	From work analysis to work design: A review of cognitive work analysis design applications. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 368-372.	0.2	22
29	Safety leadership and systems thinking: application and evaluation of a Risk Management Framework in the mining industry. <i>Ergonomics</i> , 2017, 60, 1336-1350.	1.1	22
30	Continuous monitoring of visual distraction and drowsiness in shift-workers during naturalistic driving. <i>Safety Science</i> , 2019, 119, 112-116.	2.6	22
31	A pre-drive ocular assessment predicts alertness and driving impairment: A naturalistic driving study in shift workers. <i>Accident Analysis and Prevention</i> , 2020, 135, 105386.	3.0	19
32	Cognitive work analysis and design: current practice and future practitioner requirements. <i>Theoretical Issues in Ergonomics Science</i> , 2015, 16, 154-173.	1.0	17
33	On-road driving impairment following sleep deprivation differs according to age. <i>Scientific Reports</i> , 2021, 11, 21561.	1.6	17
34	Challenging conventional rural rail level crossing design: Evaluating three new systems thinking-based designs in a driving simulator. <i>Safety Science</i> , 2018, 110, 100-114.	2.6	15
35	Effects of Distraction in On-Road Level 2 Automated Driving: Impacts on Glance Behavior and Takeover Performance. <i>Human Factors</i> , 2021, 63, 1485-1497.	2.1	15
36	Human-Centered Design for an In-Vehicle Truck Driver Fatigue and Distraction Warning System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 5350-5359.	4.7	15

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37	When paradigms collide at the road rail interface: evaluation of a sociotechnical systems theory design toolkit for cognitive work analysis. <i>Ergonomics</i> , 2016, 59, 1135-1157.	1.1	13
38	Ending on a positive: Examining the role of safety leadership decisions, behaviours and actions in a safety critical situation. <i>Applied Ergonomics</i> , 2018, 66, 139-150.	1.7	13
39	Integrating Human Factors Methods and Systems Thinking for Transport Analysis and Design. , 0, , .		11
40	Variability in decision-making and critical cue use by different road users at rail level crossings. <i>Ergonomics</i> , 2016, 59, 754-766.	1.1	10
41	Analysis of Gaze Behavior to Measure Cognitive Distraction in Real-World Driving. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 1944-1948.	0.2	10
42	Development of a low-cost motorcycle riding simulator for emergency scenarios involving swerving. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2016, 230, 1891-1903.	1.1	9
43	Distributed improvisation: a systems perspective of improvisation â€œepicsâ€™ by led outdoor activity leaders. <i>Ergonomics</i> , 2018, 61, 295-312.	1.1	9
44	Evaluating rider steering responses to an unexpected collision hazard using a motorcycle riding simulator. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 66, 292-309.	1.8	9
45	European NCAP Program Developments to Address Driver Distraction, Drowsiness and Sudden Sickness. <i>Frontiers in Neuroergonomics</i> , 2021, 2, .	0.6	9
46	Measuring Driversâ€™ Physiological Response to Different Vehicle Controllers in Highly Automated Driving (HAD): Opportunities for Establishing Real-Time Values of Driver Discomfort. <i>Information (Switzerland)</i> , 2020, 11, 390.	1.7	8
47	Patterns of Sequential Off-Road Glances Indicate Levels of Distraction in Automated Driving. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 2056-2060.	0.2	7
48	Interaction-centred design: an end user evaluation of road intersection concepts developed using the cognitive work analysis design toolkit (CWA-DT). <i>Ergonomics</i> , 2020, 63, 1221-1239.	1.1	7
49	The Impacts of Temporal Variation and Individual Differences in Driver Cognitive Workload on ECG-Based Detection. <i>Human Factors</i> , 2021, 63, 772-787.	2.1	6
50	Evaluating Driver Features for Cognitive Distraction Detection and Validation in Manual and Level 2 Automated Driving. <i>Human Factors</i> , 2022, 64, 746-759.	2.1	5
51	From interfaces to infrastructure: extending ecological interface design to re-design rail level crossings. <i>Cognition, Technology and Work</i> , 2021, 23, 3-21.	1.7	4
52	Individual Differences in Glance Patterns under Distraction in Level 2 Automated Driving. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2020, 64, 1981-1985.	0.2	3
53	Get Ready for Take-Overs: Using Head-Up Display for Drivers to Engage in Non-Driving-Related Tasks in Automated Vehicles. <i>Human Factors</i> , 2023, 65, 1759-1775.	2.1	3
54	Beyond gaze fixation: Modeling peripheral vision in relation to speed, Tesla Autopilot, cognitive load, and age in highway driving. <i>Accident Analysis and Prevention</i> , 2022, 171, 106670.	3.0	3

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55	Safety-related improvisation in led outdoor activities: An exploratory investigation into its occurrence and influencing factors. Journal of Outdoor and Environmental Education, 2014, 17, 16-29.	0.7	2
56	Drivers Glance Like Lizards during Cell Phone Distraction in Assisted Driving. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1410-1414.	0.2	2
57	First-Stage Evaluation of a Prototype Driver Distraction Human-Machine-Interface Warning System. Journal of Road Safety, 2021, 32, 4-14.	0.2	1
58	All in a day's work: Towards improved understanding of safety leadership during regular safety-related tasks in mining. Human Factors and Ergonomics in Manufacturing, 2021, 31, 157-173.	1.4	0