

Kari Heikki Ilmari Summala

List of Publications by Citations

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103
papers

5,557
citations

39
h-index

73
g-index

105
ext. papers

6,146
ext. citations

3.8
avg. IF

5.7
L-index

#	Paper	IF	Citations
103	Can we trust self-reports of driving? Effects of impression management on driver behaviour questionnaire responses. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2003 , 6, 97-107	4.5	317
102	Cognitive load and detection thresholds in car following situations: safety implications for using mobile (cellular) telephones while driving. <i>Accident Analysis and Prevention</i> , 1999 , 31, 617-23	6.1	291
101	The Manchester Driver Behaviour Questionnaire: a cross-cultural study. <i>Accident Analysis and Prevention</i> , 2004 , 36, 231-8	6.1	251
100	Driving experience, personality, and skill and safety-motive dimensions in drivers' self-assessments. <i>Personality and Individual Differences</i> , 1995 , 19, 307-318	3.3	238
99	Cross-cultural differences in driving behaviours: A comparison of six countries. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2006 , 9, 227-242	4.5	207
98	Maintaining Lane Position with Peripheral Vision during In-Vehicle Tasks. <i>Human Factors</i> , 1996 , 38, 442-458	4.8	203
97	Fatal accidents among car and truck drivers: effects of fatigue, age, and alcohol consumption. <i>Human Factors</i> , 1994 , 36, 315-26	3.8	179
96	Attention and expectation problems in bicycle-car collisions: an in-depth study. <i>Accident Analysis and Prevention</i> , 1998 , 30, 657-66	6.1	171
95	Risk control is not risk adjustment: the zero-risk theory of driver behaviour and its implications. <i>Ergonomics</i> , 1988 , 31, 491-506	2.9	163
94	Driving experience and time-sharing during in-car tasks on roads of different width. <i>Ergonomics</i> , 1998 , 41, 358-372	2.9	155
93	A model for the role of motivational factors in drivers' decision-making*. <i>Accident Analysis and Prevention</i> , 1974 , 6, 243-261	6.1	145
92	Bicycle accidents and drivers' visual search at left and right turns. <i>Accident Analysis and Prevention</i> , 1996 , 28, 147-53	6.1	144
91	Accident risk and driver behaviour. <i>Safety Science</i> , 1996 , 22, 103-117	5.8	144
90	Brake Reaction Times and Driver Behavior Analysis. <i>Transportation Human Factors</i> , 2000 , 2, 217-226		136
89	Driving experience and perception of the lead car's braking when looking at in-car targets. <i>Accident Analysis and Prevention</i> , 1998 , 30, 401-7	6.1	132
88	Interpersonal violations, speeding violations and their relation to accident involvement in Finland. <i>Ergonomics</i> , 2002 , 45, 469-83	2.9	125
87	Anger and aggression among drivers in three European countries. <i>Accident Analysis and Prevention</i> , 2002 , 34, 229-35	6.1	114

86	Effects of weather and weather forecasts on driver behaviour. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2007 , 10, 288-299	4.5	113
85	Factors influencing the use of cellular (mobile) phone during driving and hazards while using it. <i>Accident Analysis and Prevention</i> , 2005 , 37, 47-51	6.1	112
84	Driver Behaviour Questionnaire: a follow-up study. <i>Accident Analysis and Prevention</i> , 2006 , 38, 386-95	6.1	104
83	Traffic sign symbol comprehension: a cross-cultural study. <i>Ergonomics</i> , 2003 , 46, 1549-65	2.9	99
82	Detection thresholds in car following situations and peripheral vision: implications for positioning of visually demanding in-car displays. <i>Ergonomics</i> , 1999 , 42, 807-815	2.9	99
81	Fatal traffic accidents among trailer truck drivers and accident causes as viewed by other truck drivers. <i>Accident Analysis and Prevention</i> , 2001 , 33, 187-96	6.1	94
80	Neural plasticity in processing of sound location by the early blind: an event-related potential study. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1992 , 84, 469-72		89
79	The "genetics" of driving behavior: parents' driving style predicts their children's driving style. <i>Accident Analysis and Prevention</i> , 2004 , 36, 655-9	6.1	87
78	Impression management and Self-Deception in traffic behaviour inventories. <i>Personality and Individual Differences</i> , 1997 , 22, 341-353	3.3	85
77	Cross-cultural differences in Drivers' self-assessments of their perceptual-motor and safety skills: Australians and Finns. <i>Personality and Individual Differences</i> , 1998 , 24, 539-550	3.3	84
76	Blink duration as an indicator of driver sleepiness in professional bus drivers. <i>Sleep</i> , 1999 , 22, 798-802	1.1	76
75	Deer-vehicle crashes: extensive peak at 1 hour after sunset. <i>American Journal of Preventive Medicine</i> , 2001 , 21, 209-13	6.1	73
74	Does traffic congestion increase driver aggression?. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 1999 , 2, 225-236	4.5	69
73	Auditory processing in visual brain areas of the early blind: evidence from event-related potentials. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993 , 86, 418-27		68
72	Cross-cultural differences in driving skills: a comparison of six countries. <i>Accident Analysis and Prevention</i> , 2006 , 38, 1011-8	6.1	67
71	Towards Understanding Motivational and Emotional Factors in Driver Behaviour: Comfort Through Satisficing 2007 , 189-207		55
70	Effect of driving experience on anticipatory look-ahead fixations in real curve driving. <i>Accident Analysis and Prevention</i> , 2014 , 70, 195-208	6.1	52
69	Task effects on fatigue symptoms in overnight driving. <i>Ergonomics</i> , 1999 , 42, 798-806	2.9	49

68	Drivers' immediate responses to traffic signs. <i>Ergonomics</i> , 1984 , 27, 205-16	2.9	47
67	Car Drivers' Adjustments to Cyclists at Roundabouts. <i>Transportation Human Factors</i> , 2000 , 2, 1-17		45
66	Mobile phone use while driving: public opinions on restrictions. <i>Transportation</i> , 2002 , 29, 223-236	4	41
65	Clinical evaluation of the driving ability in stroke patients. <i>Acta Neurologica Scandinavica</i> , 1999 , 99, 349-558		39
64	Look-ahead fixations in curve driving. <i>Ergonomics</i> , 2013 , 56, 34-44	2.9	38
63	Driver/Vehicle Steering Response Latencies. <i>Human Factors</i> , 1981 , 23, 683-692	3.8	38
62	Close-following drivers on two-lane highways. <i>Accident Analysis and Prevention</i> , 1997 , 29, 723-9	6.1	37
61	Sleep-related fatal vehicle accidents: characteristics of decisions made by multidisciplinary investigation teams. <i>Sleep</i> , 2004 , 27, 224-7	1.1	36
60	Speed and acceleration as measures of driving style in young male drivers. <i>Perceptual and Motor Skills</i> , 1997 , 85, 3-16	2.2	35
59	Anticipatory eye movements when approaching a curve on a rural road depend on working memory load. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2012 , 15, 369-377	4.5	34
58	Symmetric relationship between self and others in aggressive driving across gender and countries. <i>Traffic Injury Prevention</i> , 2010 , 11, 228-39	1.8	31
57	Modeling Driver Behavior: A Pessimistic Prediction 1985 , 43-65		28
56	Aging and time-sharing in highway driving. <i>Optometry and Vision Science</i> , 2005 , 82, 716-23	2.1	25
55	What surviving drivers learn from a fatal road accident. <i>Accident Analysis and Prevention</i> , 1997 , 29, 277-83	8.1	24
54	Car Driver and Bicyclist Behavior at Bicycle Crossings Under Different Priority Regulations. <i>Journal of Safety Research</i> , 1999 , 30, 67-77	4	24
53	In-car cell phone use and hazards following hands free legislation. <i>Traffic Injury Prevention</i> , 2005 , 6, 225-9	8.8	23
52	Work-Related Violence, Debriefing and Increased Alcohol Consumption among Police Officers. <i>International Journal of Police Science and Management</i> , 2011 , 13, 149-157	0.8	22
51	American drivers in Europe: different signing policy may cause safety problems at uncontrolled intersections. <i>Accident Analysis and Prevention</i> , 1998 , 30, 285-9	6.1	21

50	Top-Down and Bottom-Up Processes in Driver Behavior at Roundabouts and Crossroads. <i>Transportation Human Factors</i> , 2000 , 2, 29-37		21
49	Learning game for training child bicyclists' situation awareness. <i>Accident Analysis and Prevention</i> , 2017 , 105, 72-83	6.1	19
48	Aggressive driving among British, Dutch, Finnish and Turkish drivers. <i>International Journal of Crashworthiness</i> , 2011 , 16, 233-238	1	18
47	Measurement invariance of the Driver Behavior Questionnaire across samples of young drivers from Finland and Ireland. <i>Accident Analysis and Prevention</i> , 2015 , 78, 185-200	6.1	15
46	Trade-off between jerk and time headway as an indicator of driving style. <i>PLoS ONE</i> , 2017 , 12, e0185856	3.7	15
45	Driving performance of drivers with impaired central visual field acuity. <i>Accident Analysis and Prevention</i> , 2002 , 34, 711-6	6.1	15
44	The ergonomics of road signs: explicit and embedded speed limits. <i>Ergonomics</i> , 1996 , 39, 1069-1083	2.9	15
43	How does it change safety margins if overtaking is prohibited: A pilot study. <i>Accident Analysis and Prevention</i> , 1980 , 12, 95-103	6.1	15
42	Driver Sleepiness-Related Problems, Health Status, and Prolonged Driving Among Professional Heavy-Vehicle Drivers. <i>Transportation Human Factors</i> , 2000 , 2, 151-171		14
41	Driving-speed regulation and other means to reduce risks when meeting a pedestrian on a dark road. <i>Applied Psychology</i> , 1980 , 29, 491-500	4.3	12
40	Task-Difficulty Homeostasis in Car Following Models: Experimental Validation Using Self-Paced Visual Occlusion. <i>PLoS ONE</i> , 2017 , 12, e0169704	3.7	12
39	A study of the effect of OHSAS 18001 on the occupational injury rate in Iran. <i>International Journal of Injury Control and Safety Promotion</i> , 2017 , 24, 78-83	1.8	11
38	Risky driving and recorded driving offences: a 24-year follow-up study. <i>Accident Analysis and Prevention</i> , 2014 , 73, 27-33	6.1	11
37	Moral judgment and drivers' behavior among Brazilian students. <i>Psychological Reports</i> , 2002 , 91, 759-66	1.6	11
36	A computational model for driver's cognitive state, visual perception and intermittent attention in a distracted car following task. <i>Royal Society Open Science</i> , 2018 , 5, 180194	3.3	10
35	Work-related violence against security guards--who is most at risk?. <i>Industrial Health</i> , 2011 , 49, 143-50	2.5	9
34	Neuropsychological correlates of duration of glances at secondary tasks while driving. <i>Applied Neuropsychology</i> , 1998 , 5, 24-32		9
33	Exceptional condition of police enforcement: Driving speeds during the police strike. <i>Accident Analysis and Prevention</i> , 1980 , 12, 179-184	6.1	9

32	A psychophysical method for determining the effect of studded tires on safety. <i>Scandinavian Journal of Psychology</i> , 1980 , 21, 193-199	2.2	9
31	Drivers' steering reaction to a light stimulus on a dark road. <i>Ergonomics</i> , 1981 , 24, 125-131	2.9	9
30	A simple method for simulating danger-related aspects of behavior in hazardous activities. <i>Accident Analysis and Prevention</i> , 1975 , 7, 63-70	6.1	9
29	Behavioural Adaptation and Drivers' Task Control 2002 , 189-200		9
28	Injuries caused by work-related violence: frequency, need for medical treatment and associations with adverse mental health and alcohol use among Finnish police officers. <i>American Journal of Industrial Medicine</i> , 2012 , 55, 691-7	2.7	8
27	Activating a safety message from truck drivers' memory: an experiment in a work zone. <i>Safety Science</i> , 1993 , 16, 675-687	5.8	8
26	Gaze doesn't always lead steering. <i>Accident Analysis and Prevention</i> , 2018 , 121, 268-278	6.1	8
25	Fell asleep and caused a fatal head-on crash? A case study of multidisciplinary in-depth analysis vs. the court. <i>Traffic Injury Prevention</i> , 2009 , 10, 76-83	1.8	6
24	Females do not have more injury road accidents on Friday the 13th. <i>BMC Public Health</i> , 2004 , 4, 54	4.1	6
23	With power comes responsibility: motorcycle engine power and power-to-weight ratio in relation to accident risk. <i>Traffic Injury Prevention</i> , 2010 , 11, 87-95	1.8	5
22	Drinking and driving safely—Who uses a breathalyzer and when?. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2009 , 12, 155-158	4.5	5
21	Traffic Psychology Theories 2005 , 383-394		5
20	Child passengers and driver culpability in fatal crashes by driver gender. <i>Traffic Injury Prevention</i> , 2016 , 17, 447-53	1.8	5
19	Expert evaluation of traffic signs: conventional vs. alternative designs. <i>Ergonomics</i> , 2019 , 62, 734-747	2.9	5
18	Young females at risk while driving with a small child. <i>Accident Analysis and Prevention</i> , 2017 , 108, 321-331	3.1	4
17	Noticings with instructional implications in post-licence driver training. <i>International Journal of Applied Linguistics</i> , 2018 , 28, 326-346	2.5	4
16	Fatal road accidents among Finnish military conscripts: fatigue-impaired driving. <i>Military Medicine</i> , 2007 , 172, 1204-10	1.3	4
15	Novice and Experienced Drivers' Looking Behavior and Primary Task Control While Doing a Secondary Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 1994 , 38, 852-856	0.4	4

14	Drivers' steering behavior when meeting another car: the case of perceptual tropism revisited. <i>Human Factors</i> , 1981 , 23, 185-9	3.8	4
13	Drivers with child passengers: distracted but cautious?. <i>Accident Analysis and Prevention</i> , 2019 , 131, 25-30.	3.1	3
12	Sleepiness at Work Among Commercial Truck Drivers. <i>Sleep</i> , 2000 , 23, 1-9	1.1	3
11	Physical and psychological aspects of crash barriers. <i>Accident Analysis and Prevention</i> , 1973 , 5, 247-251	6.1	3
10	Traffic Psychology for the 2000s: Profession and Science 2001 , 353-364		3
9	Time-sharing strategies in driving after various cerebral lesions. <i>Brain Injury</i> , 2004 , 18, 419-32	2.1	2
8	How do accidents happen: a deadline-type experiment on maintaining safety margins. <i>Perceptual and Motor Skills</i> , 1983 , 56, 755-8	2.2	2
7	Progress of technology and traffic accidents. <i>Journal of Occupational Accidents</i> , 1982 , 4, 145-156		2
6	Breath analyser market is set to grow: a road safety perspective. <i>European Journal of Public Health</i> , 2007 , 17, 537	2.1	1
5	Passing when Visibility Obscured: Can we Predict Accident Involvement from One Single Traffic Maneuver?. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1986 , 30, 249-250		1
4	One's Advantage and Perceptual Errors: A Demonstration of Motivational Bias. <i>Journal of Psychology: Interdisciplinary and Applied</i> , 1986 , 120, 225-228	2.7	1
3	Patrol Car Reduces Driver Reaction Times. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1988 , 32, 919-922		
2	Behavior and Risk Typology: Disaggregation of Accident Statistics and Behavior 2000 , 117-132		
1	Reading Metres: Vision, Instrumentation and Evaluation in Voluntary Post-licence Training for Older Drivers. <i>International Perspectives on Aging</i> , 2014 , 291-304	0.5	