

# Kari Heikki Ilmari Summala

## List of Publications by Year in descending order

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103  
papers

6,795  
citations

66234

42  
h-index

62479

80  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3781  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.8	368
2	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, 617-623.	3.0	347
3	The Manchester Driver Behaviour Questionnaire: a cross-cultural study. <i>Accident Analysis and Prevention</i> , 2004, 36, 231-238.	3.0	322
4	Driving experience, personality, and skill and safety-motive dimensions in drivers' self-assessments. <i>Personality and Individual Differences</i> , 1995, 19, 307-318.	1.6	300
5	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.	1.8	254
6	Maintaining Lane Position with Peripheral Vision during In-Vehicle Tasks. <i>Human Factors</i> , 1996, 38, 442-451.	2.1	239
7	Fatal Accidents among Car and Truck Drivers: Effects of Fatigue, Age, and Alcohol Consumption. <i>Human Factors</i> , 1994, 36, 315-326.	2.1	208
8	Attention and expectation problems in bicycle-car collisions: an in-depth study. <i>Accident Analysis and Prevention</i> , 1998, 30, 657-666.	3.0	204
9	Risk control is not risk adjustment: the zero-risk theory of driver behaviour and its implications. <i>Ergonomics</i> , 1988, 31, 491-506.	1.1	200
10	Driving experience and time-sharing during in-car tasks on roads of different width. <i>Ergonomics</i> , 1998, 41, 358-372.	1.1	189
11	A model for the role of motivational factors in drivers' decision-making— <i>Accident Analysis and Prevention</i> , 1974, 6, 243-261.	3.0	185
12	Bicycle accidents and drivers' visual search at left and right turns. <i>Accident Analysis and Prevention</i> , 1996, 28, 147-153.	3.0	171
13	Brake Reaction Times and Driver Behavior Analysis. <i>Transportation Human Factors</i> , 2000, 2, 217-226.	0.3	169
14	Accident risk and driver behaviour. <i>Safety Science</i> , 1996, 22, 103-117.	2.6	168
15	Driving experience and perception of the lead car's braking when looking at in-car targets. <i>Accident Analysis and Prevention</i> , 1998, 30, 401-407.	3.0	157
16	Interpersonal violations, speeding violations and their relation to accident involvement in Finland. <i>Ergonomics</i> , 2002, 45, 469-483.	1.1	152
17	Effects of weather and weather forecasts on driver behaviour. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2007, 10, 288-299.	1.8	147
18	Anger and aggression among drivers in three European countries. <i>Accident Analysis and Prevention</i> , 2002, 34, 229-235.	3.0	136

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19	Driver Behaviour Questionnaire: A follow-up study. <i>Accident Analysis and Prevention</i> , 2006, 38, 386-395.	3.0	131
20	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.	3.0	129
21	Traffic sign symbol comprehension: a cross-cultural study. <i>Ergonomics</i> , 2003, 46, 1549-1565.	1.1	123
22	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.	1.1	117
23	The "genetics" of driving behavior: parents' driving style predicts their children's driving style. <i>Accident Analysis and Prevention</i> , 2004, 36, 655-659.	3.0	111
24	Fatal traffic accidents among trailer truck drivers and accident causes as viewed by other truck drivers. <i>Accident Analysis and Prevention</i> , 2001, 33, 187-196.	3.0	104
25	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, 469-472.	2.0	100
26	Impression management and Self-Deception in traffic behaviour inventories. <i>Personality and Individual Differences</i> , 1997, 22, 341-353.	1.6	96
27	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.	1.6	94
28	Blink Duration as an Indicator of Driver Sleepiness in Professional Bus Drivers. <i>Sleep</i> , 1999, 22, 798-802.	0.6	93
29	Does traffic congestion increase driver aggression?. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 1999, 2, 225-236.	1.8	87
30	Deer-vehicle crashes. <i>American Journal of Preventive Medicine</i> , 2001, 21, 209-213.	1.6	84
31	Cross-cultural differences in driving skills: A comparison of six countries. <i>Accident Analysis and Prevention</i> , 2006, 38, 1011-1018.	3.0	81
32	Towards Understanding Motivational and Emotional Factors in Driver Behaviour: Comfort Through Satisficing. , 2007, , 189-207.		77
33	Auditory processing in visual brain areas of the early blind: evidence from event-related potentials. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 86, 418-427.	0.3	74
34	Effect of driving experience on anticipatory look-ahead fixations in real curve driving. <i>Accident Analysis and Prevention</i> , 2014, 70, 195-208.	3.0	69
35	Task effects on fatigue symptoms in overnight driving. <i>Ergonomics</i> , 1999, 42, 798-806.	1.1	58
36	Look-ahead fixations in curve driving. <i>Ergonomics</i> , 2013, 56, 34-44.	1.1	54

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37	Drivers' immediate responses to traffic signs. <i>Ergonomics</i> , 1984, 27, 205-216.	1.1	51
38	Car Drivers' Adjustments to Cyclists at Roundabouts. <i>Transportation Human Factors</i> , 2000, 2, 1-17.	0.3	51
39	Close-following drivers on two-lane highways. <i>Accident Analysis and Prevention</i> , 1997, 29, 723-729.	3.0	48
40	Mobile phone use while driving: public opinions on restrictions. <i>Transportation</i> , 2002, 29, 223-236.	2.1	48
41	Driver/Vehicle Steering Response Latencies. <i>Human Factors</i> , 1981, 23, 683-692.	2.1	47
42	Clinical evaluation of the driving ability in stroke patients. <i>Acta Neurologica Scandinavica</i> , 1999, 99, 349-355.	1.0	45
43	Sleep-related Fatal Vehicle Accidents: Characteristics of Decisions Made by Multidisciplinary Investigation Teams. <i>Sleep</i> , 2004, 27, 224-227.	0.6	45
44	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.	1.8	44
45	Speed and Acceleration as Measures of Driving Style in Young Male Drivers. <i>Perceptual and Motor Skills</i> , 1997, 85, 3-16.	0.6	43
46	Symmetric Relationship Between Self and Others in Aggressive Driving Across Gender and Countries. <i>Traffic Injury Prevention</i> , 2010, 11, 228-239.	0.6	36
47	Modeling Driver Behavior: A Pessimistic Prediction. , 1985, , 43-65.		35
48	Car Driver and Bicyclist Behavior at Bicycle Crossings Under Different Priority Regulations. <i>Journal of Safety Research</i> , 1999, 30, 67-77.	1.7	31
49	Learning game for training child bicyclists's™ situation awareness. <i>Accident Analysis and Prevention</i> , 2017, 105, 72-83.	3.0	31
50	What surviving drivers learn from a fatal road accident. <i>Accident Analysis and Prevention</i> , 1997, 29, 277-283.	3.0	29
51	Sleepiness at Work Among Commercial Truck Drivers. <i>Sleep</i> , 2000, 23, 1-9.	0.6	29
52	Aging and Time-Sharing in Highway Driving. <i>Optometry and Vision Science</i> , 2005, 82, 716-723.	0.6	28
53	American drivers in Europe: Different signing policy may cause safety problems at uncontrolled intersections. <i>Accident Analysis and Prevention</i> , 1998, 30, 285-289.	3.0	26
54	Aggressive driving among British, Dutch, Finnish and Turkish drivers. <i>International Journal of Crashworthiness</i> , 2011, 16, 233-238.	1.1	26

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55	In-Car Cell Phone Use and Hazards Following Hands Free Legislation. <i>Traffic Injury Prevention</i> , 2005, 6, 225-229.	0.6	25
56	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	24
57	Top-Down and Bottom-Up Processes in Driver Behavior at Roundabouts and Crossroads. <i>Transportation Human Factors</i> , 2000, 2, 29-37.	0.3	24
58	Driving performance of drivers with impaired central visual field acuity. <i>Accident Analysis and Prevention</i> , 2002, 34, 711-716.	3.0	20
59	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.	3.0	19
60	Trade-off between jerk and time headway as an indicator of driving style. <i>PLoS ONE</i> , 2017, 12, e0185856.	1.1	19
61	Risky driving and recorded driving offences: A 24-year follow-up study. <i>Accident Analysis and Prevention</i> , 2014, 73, 27-33.	3.0	18
62	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.	1.1	17
63	Driver Sleepiness-Related Problems, Health Status, and Prolonged Driving Among Professional Heavy-Vehicle Drivers. <i>Transportation Human Factors</i> , 2000, 2, 151-171.	0.3	17
64	How does it change safety margins if overtaking is prohibited: A pilot study. <i>Accident Analysis and Prevention</i> , 1980, 12, 95-103.	3.0	16
65	The ergonomics of road signs: explicit and embedded speed limits. <i>Ergonomics</i> , 1996, 39, 1069-1083.	1.1	16
66	Work-related Violence against Security Guards—Who is Most at Risk?. <i>Industrial Health</i> , 2011, 49, 143-150.	0.4	16
67	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.	1.0	16
68	Drivers' steering reaction to a light stimulus on a dark road. <i>Ergonomics</i> , 1981, 24, 125-131.	1.1	15
69	Moral Judgment and Drivers' Behavior among Brazilian Students. <i>Psychological Reports</i> , 2002, 91, 759-766.	0.9	15
70	Task-Difficulty Homeostasis in Car Following Models: Experimental Validation Using Self-Paced Visual Occlusion. <i>PLoS ONE</i> , 2017, 12, e0169704.	1.1	15
71	Exceptional condition of police enforcement: Driving speeds during the police strike. <i>Accident Analysis and Prevention</i> , 1980, 12, 179-184.	3.0	14
72	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.	4.4	14

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73	Gaze doesn't always lead steering. <i>Accident Analysis and Prevention</i> , 2018, 121, 268-278.	3.0	13
74	Drivers with child passengers: distracted but cautious?. <i>Accident Analysis and Prevention</i> , 2019, 131, 25-32.	3.0	13
75	A psychophysical method for determining the effect of studded tires on safety. <i>Scandinavian Journal of Psychology</i> , 1980, 21, 193-199.	0.8	11
76	Expert evaluation of traffic signs: conventional vs. alternative designs. <i>Ergonomics</i> , 2019, 62, 734-747.	1.1	11
77	A simple method for simulating danger-related aspects of behavior in hazardous activities. <i>Accident Analysis and Prevention</i> , 1975, 7, 63-70.	3.0	10
78	Activating a safety message from truck drivers' memory: an experiment in a work zone. <i>Safety Science</i> , 1993, 16, 675-687.	2.6	10
79	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, 691-697.	1.0	10
80	Behavioural Adaptation and Drivers' Task Control. , 2002, , 189-200.		10
81	Neuropsychological Correlates of Duration of Glances at Secondary Tasks While Driving. <i>Applied Neuropsychology</i> , 1998, 5, 24-32.	1.5	9
82	Young females at risk while driving with a small child. <i>Accident Analysis and Prevention</i> , 2017, 108, 321-331.	3.0	9
83	Noticings with instructional implications in post-licence driver training. <i>International Journal of Applied Linguistics</i> , 2018, 28, 326-346.	0.4	9
84	Females do not have more injury road accidents on Friday the 13th. <i>BMC Public Health</i> , 2004, 4, 54.	1.2	7
85	Drivers' Steering Behavior When Meeting Another Car: The Case of Perceptual Tropism Revisited. <i>Human Factors</i> , 1981, 23, 185-189.	2.1	6
86	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.	0.6	6
87	Child passengers and driver culpability in fatal crashes by driver gender. <i>Traffic Injury Prevention</i> , 2016, 17, 447-453.	0.6	6
88	Traffic Psychology Theories. , 2005, , 383-394.		6
89	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.	0.2	5
90	Drinking and driving – safely? Who uses a breathalyzer and when?. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2009, 12, 155-158.	1.8	5

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91	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.	0.6	5
92	Fatal Road Accidents among Finnish Military Conscripts: Fatigue-Impaired Driving. <i>Military Medicine</i> , 2007, 172, 1204-1210.	0.4	4
93	Physical and psychological aspects of crash barriers. <i>Accident Analysis and Prevention</i> , 1973, 5, 247-251.	3.0	3
94	Progress of technology and traffic accidents. <i>Journal of Occupational Accidents</i> , 1982, 4, 145-156.	0.2	3
95	How Do Accidents Happen: A Deadline-Type Experiment on Maintaining Safety Margins. <i>Perceptual and Motor Skills</i> , 1983, 56, 755-758.	0.6	3
96	Time-sharing strategies in driving after various cerebral lesions. <i>Brain Injury</i> , 2004, 18, 419-432.	0.6	3
97	Traffic Psychology for the 2000s: Profession and Science. , 2001, , 353-364.		3
98	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.	0.1	1
99	One's Advantage and Perceptual Errors: A Demonstration of Motivational Bias. <i>Journal of Psychology: Interdisciplinary and Applied</i> , 1986, 120, 225-228.	0.9	1
100	Breath analyser market is set to grow: a road safety perspective. <i>European Journal of Public Health</i> , 2007, 17, 537-537.	0.1	1
101	Reading Metres: Vision, Instrumentation and Evaluation in Voluntary Post-licence Training for Older Drivers. <i>International Perspectives on Aging</i> , 2014, , 291-304.	0.2	1
102	Patrol Car Reduces Driver Reaction Times. <i>Proceedings of the Human Factors Society Annual Meeting</i> , 1988, 32, 919-922.	0.1	0
103	Behavior and Risk Typology: Disaggregation of Accident Statistics and Behavior. , 2000, , 117-132.		0