

Birsen Donmez

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

1,661
citations

304743

22
h-index

345221

36
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113
all docs

113
docs citations

113
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticipatory Driving in Automated Vehicles: The Effects of Driving Experience and Distraction. Human Factors, 2023, 65, 663-663.	3.5	7
2	The Influence of Visual-Manual Distractions on Anticipatory Driving. Human Factors, 2022, 64, 401-417.	3.5	7
3	A Naturalistic Driving Study of Feedback Timing and Financial Incentives in Promoting Speed Limit Compliance. IEEE Transactions on Human-Machine Systems, 2022, 52, 64-73.	3.5	2
4	Attentive User Interfaces: Adaptive Interfaces that Monitor and Manage Driver Attention. Studies in Computational Intelligence, 2022, , 305-334.	0.9	2
5	Human factors applications in the design of decision support systems for population health: a scoping review. BMJ Open, 2022, 12, e054330.	1.9	0
6	Classification of Driver Cognitive Load: Exploring the Benefits of Fusing Eye-Tracking and Physiological Measures. Transportation Research Record, 2022, 2676, 670-681.	1.9	13
7	Teen Driver Distractions and Parental Norms. Transportation Research Record, 2022, 2676, 622-632.	1.9	1
8	Mitigating operating room distractions: A systematic review assessing intervention effectiveness. Human Factors in Healthcare, 2022, 2, 100013.	1.5	2
9	The effect of intraoperative distractions on severe technical events in laparoscopic bariatric surgery. Surgical Endoscopy and Other Interventional Techniques, 2021, 35, 4569-4580.	2.4	6
10	In-vehicle displays to support driver anticipation of traffic conflicts in automated vehicles. Accident Analysis and Prevention, 2021, 149, 105842.	5.7	16
11	Mitigating Teen Driver Distraction: In-Vehicle Feedback Based on Peer Social Norms. Human Factors, 2021, 63, 503-518.	3.5	7
12	The effect of driving demands on distraction engagement and glance behaviors: Results from naturalistic data. Safety Science, 2021, 136, 105123.	4.9	21
13	Drivers Still Have Limited Knowledge About Adaptive Cruise Control Even When They Own the System. Transportation Research Record, 2021, 2675, 328-339.	1.9	14
14	Knowledge of and trust in advanced driver assistance systems. Accident Analysis and Prevention, 2021, 156, 106121.	5.7	23
15	Hey, watch where you're going! An on-road study of driver scanning failures towards pedestrians and cyclists. Accident Analysis and Prevention, 2021, 162, 106380.	5.7	8
16	Assessment of Driving Automation Interfaces via Visual Attention Measures: A Literature Review. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1400-1404.	0.3	1
17	Young Driver Emotions Relate To Their Intention To Engage In Cellphone Distraction. Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 1405-1409.	0.3	1
18	Role of Habits in Cell Phone-Related Driver Distractions. Transportation Research Record, 2020, 2674, 254-262.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Driver Takeover Performance and Monitoring Behavior with Driving Automation at System-Limit versus System-Malfunction Failures. <i>Transportation Research Record</i> , 2020, 2674, 140-151.	1.9	14
20	Should I Stay or Should I Go? Automated Vehicles in the Age of Climate Change. , 2020, , .		3
21	Driver Fitness in the Resumption of Control. , 2020, , 173-215.		4
22	Influencing Greater Adoption of Eco-Driving Practices Using an Associative Graphical Display. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2020, 142, .	2.9	2
23	Searching for Street Parking: Effects on Driver Vehicle Control, Workload, Physiology, and Glances. <i>Frontiers in Psychology</i> , 2020, 11, 574262.	2.1	3
24	Influence of Driving Experience on Distraction Engagement in Automated Vehicles. <i>Transportation Research Record</i> , 2019, 2673, 142-151.	1.9	20
25	Using Naturalistic Vehicle-Based Data to Predict Distraction and Environmental Demand. <i>International Journal of Mobile Human Computer Interaction</i> , 2019, 11, 59-70.	0.4	8
26	Eye glances towards conflict-relevant cues: the roles of anticipatory competence and driver experience. <i>Accident Analysis and Prevention</i> , 2019, 132, 105255.	5.7	14
27	High Cognitive Load Assessment in Drivers Through Wireless Electroencephalography and the Validation of a Modified <i>N</i> -Back Task. <i>IEEE Transactions on Human-Machine Systems</i> , 2019, 49, 362-371.	3.5	31
28	The effect of cognitive distraction on perception-response time to unexpected abrupt and gradually onset roadway hazards. <i>Accident Analysis and Prevention</i> , 2019, 127, 177-185.	5.7	37
29	A Taxonomy of Strategies For Supporting Time-Sharing With Non-Driving Tasks in Automated Driving. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 2088-2092.	0.3	2
30	A Taxonomy of Distraction Mitigation Strategies for Operating Rooms. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 677-677.	0.3	0
31	The Effect of Failure Predictability on Driver Takeover Performance and Monitoring Behavior in Partially Automated Vehicles. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 2109-2109.	0.3	1
32	Collision Risk Assessment Using Naturalistic Data from a Rent-A-Car Fleet. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2019, 63, 2030-2030.	0.3	0
33	Smartwatches vs. Smartphones. , 2019, , 453-473.		0
34	Voluntary- and Involuntary-Distraction Engagement: An Exploratory Study of Individual Differences. <i>Human Factors</i> , 2018, 60, 575-588.	3.5	14
35	Medical dispatch decision support for transfer time estimation: Individual operator differences in system use. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2018, 7, 38-43.	0.3	2
36	Predicting Environmental Demand and Secondary Task Engagement using Vehicle Kinematics from Naturalistic Driving Data. , 2018, , .		6

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37	Prevalence of Engagement in Single versus Multiple Types of Secondary Tasks: Results from the Naturalistic Engagement in Secondary Task (NEST) Dataset. Transportation Research Record, 2018, 2672, 1-10.	1.9	6
38	The Effects of Distraction on Anticipatory Driving. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1960-1964.	0.3	6
39	Effects of Searching for Street Parking on Driver Behaviour and Physiology: Results From an On-Road Instrumented Vehicle Study. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1404-1408.	0.3	1
40	Effects of Nested Interruptions on Task Resumption: A Laboratory Study With Intensive Care Nurses. Human Factors, 2017, 59, 628-639.	3.5	19
41	Designing feedback to mitigate teen distracted driving: A social norms approach. Accident Analysis and Prevention, 2017, 104, 185-194.	5.7	32
42	Simulator Study of Involuntary Driver Distraction Under Different Perceptual Loads. Transportation Research Record, 2017, 2663, 12-19.	1.9	3
43	Smartwatches vs. Smartphones. International Journal of Mobile Human Computer Interaction, 2017, 9, 39-57.	0.4	4
44	The Relation Between the Driver Behavior Questionnaire, Demographics, and Driving History. , 2017, , .		2
45	Voice-Controlled In-Vehicle Systems: Effects of Voice-Recognition Accuracy in the Presence of Background Noise. , 2017, , .		2
46	Towards Mitigating Teenagersâ€™™ Distracted Driving Behaviors. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1879-1883.	0.3	0
47	Dispatch Decision Making in an Air Medical Transport System. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 259-263.	0.3	0
48	Driving Under Involuntary Distraction and Varied Perceptual Loads. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1869-1873.	0.3	1
49	Smart Driver Monitoring: When Signal Processing Meets Human Factors: In the driver's seat. IEEE Signal Processing Magazine, 2016, 33, 35-48.	5.6	46
50	Gaming to Safety. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1884-1888.	0.3	7
51	What drives technology-based distractions? A structural equation model on social-psychological factors of technology-based driver distraction engagement. Accident Analysis and Prevention, 2016, 91, 166-174.	5.7	38
52	Supporting anticipation in driving through attentional and interpretational in-vehicle displays. Accident Analysis and Prevention, 2016, 91, 103-113.	5.7	28
53	Self-reported engagement in driver distraction: An application of the Theory of Planned Behaviour. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 38, 151-163.	3.7	53
54	SHRP2 NEST Database. , 2016, , .		6

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55	Simulator-Based Eco-drive Training for Fleet Drivers. Lecture Notes in Mechanical Engineering, 2016, , 545-552.	0.4	2
56	Testâ€“Retest Reliability of the Susceptibility to Driver Distraction Questionnaire. Transportation Research Record, 2015, 2518, 54-59.	1.9	2
57	Supporting dispatch decisions in interfacility medical transfers: Understanding the roles of uncertainty and reliability. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2015, 4, 174-178.	0.3	2
58	Smartwatches vs. smartphones. , 2015, , .		17
59	Associations of distraction involvement and age with driver injury severities. Journal of Safety Research, 2015, 52, 23-28.	3.6	60
60	The relationship between interruption content and interrupted task severity in intensive care nursing: an observational study. International Journal of Nursing Studies, 2015, 52, 1573-1581.	5.6	17
61	Mitigating nonurgent interruptions during high-severity intensive care unit tasks using a task-severity awareness tool: A quasi-controlled observational study. Journal of Critical Care, 2015, 30, 1150.e1-1150.e6.	2.2	12
62	Capturing Voluntary, Involuntary, and Habitual Components of Driver Distraction in a Self-Reported Questionnaire. , 2015, , .		0
63	Susceptibility to Driver Distraction Questionnaire. Transportation Research Record, 2014, 2434, 26-34.	1.9	35
64	A Model of Anticipation in Driving. , 2014, , .		5
65	Driver Engagement in Notifications. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 2161-2165.	0.3	21
66	Measuring Inhibitory Control in Driver Distraction. , 2014, , .		8
67	EMG provides an earlier glimpse into the effects of cognitive distraction on brake motor response. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 2200-2204.	0.3	10
68	The Impact of Precipitation on Land Interfacility Transport Times. Prehospital and Disaster Medicine, 2014, 29, 593-599.	1.3	4
69	A study of young adults examining phone dialing while driving using a touchscreen vs. a button style flip-phone. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 23, 57-68.	3.7	33
70	Supporting Air Versus Ground Vehicle Decisions for Interfacility Medical Transport Using Historical Data. IEEE Transactions on Human-Machine Systems, 2014, 44, 55-65.	3.5	8
71	A field operational trial evaluating a feedbackâ€“reward system on speeding and tailgating behaviors. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 27, 56-68.	3.7	16
72	Anticipation in Driving: The Role of Experience in the Efficacy of Pre-event Conflict Cues. IEEE Transactions on Human-Machine Systems, 2014, 44, 603-613.	3.5	41

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73	Interruption management and office norms: Technology adoption lessons from a product commercialization study. International Journal of Information Management, 2014, 34, 741-750.	17.5	8
74	Interruptions experienced by cardiovascular intensive care unit nurses: An observational study. Journal of Critical Care, 2014, 29, 848-853.	2.2	35
75	Correlations among self-reported driving characteristics and simulated driving performance measures. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 2018-2022.	0.3	1
76	Impact of age and cognitive demand on lane choice and changing under actual highway conditions. Accident Analysis and Prevention, 2013, 52, 125-132.	5.7	43
77	Interruption Management and Recovery in Time-critical Supervisory-level Tasks. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1745-1749.	0.3	8
78	Anticipatory driving competence. , 2013, , .		10
79	The Impact of Single-Operator versus Team Tele-operation of a Search Vehicle. , 2013, , .		0
80	Associations between drivers'™ safety records and driving styles. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1973-1977.	0.3	2
81	The Effects of Predictive Displays on Performance in Driving Tasks with Multi-Second Latency. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 21-25.	0.3	14
82	Metrics for Supervisory Control System Evaluation. , 2013, , .		1
83	Design of Effective Feedback: Understanding Driver, Feedback, and Their Interaction. , 2013, , .		2
84	Social drivers of technology adoption and use in the workplace productivity context. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2103-2107.	0.3	3
85	Not All Interruptions are Created Equal: Positive Interruptions in Healthcare. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 824-828.	0.3	33
86	A Driving Simulator Study Examining Phone Dialing with an iPhone vs. a Button Style Flip-Phone. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2191-2195.	0.3	5
87	Analysis of the Interaction between Human Operator and Automated Dispatch in Haul Truck Scheduling. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 2291-2295.	0.3	0
88	A Pilot Investigation of the Impact of Cognitive Demand on Turn Signal Use during Lane Changes in Actual Highway Conditions across Multiple Age Groups. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1874-1878.	0.3	0
89	A Field Study of Haul Truck Operations in Open Pit Mines. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1845-1849.	0.3	5
90	Supporting intelligent and trustworthy maritime path planning decisions. International Journal of Human Computer Studies, 2010, 68, 616-626.	5.6	25

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91	Differences in Off-Road Glances: Effects on Young Drivers's Performance. Journal of Transportation Engineering, 2010, 136, 403-409.	0.9	56
92	Metric selection for evaluating human supervisory control of unmanned vehicles. , 2010, , .		0
93	Modified Cooper Harper scales for assessing unmanned vehicle displays. , 2010, , .		7
94	Modeling Workload Impact in Multiple Unmanned Vehicle Supervisory Control. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 1180-1190.	2.9	41
95	Auditory Decision Aiding in Supervisory Control of Multiple Unmanned Aerial Vehicles. Human Factors, 2009, 51, 718-729.	3.5	27
96	Comparing, Merging, and Adapting Methods of Cognitive Task Analysis. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 187-191.	0.3	1
97	Evaluation Criteria for Human-Automation Performance Metrics. , 2009, , 21-40.		5
98	Mitigating driver distraction with retrospective and concurrent feedback. Accident Analysis and Prevention, 2008, 40, 776-786.	5.7	76
99	The Iowa graduated driver licensing program: Effectiveness in reducing crashes of teenage drivers. Journal of Safety Research, 2008, 39, 383-390.	3.6	18
100	Evaluation criteria for human-automation performance metrics. , 2008, , .		16
101	Accounting for time-dependent covariates in driving simulator studies. Theoretical Issues in Ergonomics Science, 2008, 9, 189-199.	1.8	6
102	Designing Feedback to Mitigate Distraction. , 2008, , 519-531.		10
103	Safety implications of providing real-time feedback to distracted drivers. Accident Analysis and Prevention, 2007, 39, 581-590.	5.7	157
104	Drivers's attitudes toward imperfect distraction mitigation strategies. Transportation Research Part F: Traffic Psychology and Behaviour, 2006, 9, 387-398.	3.7	68
105	The Impact of Distraction Mitigation Strategies on Driving Performance. Human Factors, 2006, 48, 785-804.	3.5	97
106	Driving Simulator Experiments: Power for Repeated Measures vs. Completely Randomized Design. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 2336-2339.	0.3	6
107	Taxonomy of Mitigation Strategies for Driver Distraction. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 1865-1869.	0.3	14
108	Takeover request (TOR) effects during different automated vehicle failures. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 0, , 1-31.	4.2	5

#	ARTICLE	IF	CITATIONS
109	Distracted when Using Driving Automation: A Quantile Regression Analysis of Driver Glances Considering the Effects of Road Alignment and Driving Experience. <i>Frontiers in Future Transportation</i> , 0, 3, .	1.8	0