

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
g-index

113
all docs

113
docs citations

113
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety implications of providing real-time feedback to distracted drivers. <i>Accident Analysis and Prevention</i> , 2007, 39, 581-590.	5.7	157
2	The Impact of Distraction Mitigation Strategies on Driving Performance. <i>Human Factors</i> , 2006, 48, 785-804.	3.5	97
3	Mitigating driver distraction with retrospective and concurrent feedback. <i>Accident Analysis and Prevention</i> , 2008, 40, 776-786.	5.7	76
4	Drivers' attitudes toward imperfect distraction mitigation strategies. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2006, 9, 387-398.	3.7	68
5	Associations of distraction involvement and age with driver injury severities. <i>Journal of Safety Research</i> , 2015, 52, 23-28.	3.6	60
6	Differences in Off-Road Glances: Effects on Young Drivers' Performance. <i>Journal of Transportation Engineering</i> , 2010, 136, 403-409.	0.9	56
7	Self-reported engagement in driver distraction: An application of the Theory of Planned Behaviour. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016, 38, 151-163.	3.7	53
8	Smart Driver Monitoring: When Signal Processing Meets Human Factors: In the driver's seat. <i>IEEE Signal Processing Magazine</i> , 2016, 33, 35-48.	5.6	46
9	Impact of age and cognitive demand on lane choice and changing under actual highway conditions. <i>Accident Analysis and Prevention</i> , 2013, 52, 125-132.	5.7	43
10	Modeling Workload Impact in Multiple Unmanned Vehicle Supervisory Control. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2010, 40, 1180-1190.	2.9	41
11	Anticipation in Driving: The Role of Experience in the Efficacy of Pre-event Conflict Cues. <i>IEEE Transactions on Human-Machine Systems</i> , 2014, 44, 603-613.	3.5	41
12	What drives technology-based distractions? A structural equation model on social-psychological factors of technology-based driver distraction engagement. <i>Accident Analysis and Prevention</i> , 2016, 91, 166-174.	5.7	38
13	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
14	Susceptibility to Driver Distraction Questionnaire. <i>Transportation Research Record</i> , 2014, 2434, 26-34.	1.9	35
15	Interruptions experienced by cardiovascular intensive care unit nurses: An observational study. <i>Journal of Critical Care</i> , 2014, 29, 848-853.	2.2	35
16	Not All Interruptions are Created Equal: Positive Interruptions in Healthcare. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 824-828.	0.3	33
17	A study of young adults examining phone dialing while driving using a touchscreen vs. a button style flip-phone. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014, 23, 57-68.	3.7	33
18	Designing feedback to mitigate teen distracted driving: A social norms approach. <i>Accident Analysis and Prevention</i> , 2017, 104, 185-194.	5.7	32

#	ARTICLE	IF	CITATIONS
19	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
20	Supporting anticipation in driving through attentional and interpretational in-vehicle displays. <i>Accident Analysis and Prevention</i> , 2016, 91, 103-113.	5.7	28
21	Auditory Decision Aiding in Supervisory Control of Multiple Unmanned Aerial Vehicles. <i>Human Factors</i> , 2009, 51, 718-729.	3.5	27
22	Supporting intelligent and trustworthy maritime path planning decisions. <i>International Journal of Human Computer Studies</i> , 2010, 68, 616-626.	5.6	25
23	Knowledge of and trust in advanced driver assistance systems. <i>Accident Analysis and Prevention</i> , 2021, 156, 106121.	5.7	23
24	Driver Engagement in Notifications. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 2161-2165.	0.3	21
25	The effect of driving demands on distraction engagement and glance behaviors: Results from naturalistic data. <i>Safety Science</i> , 2021, 136, 105123.	4.9	21
26	Influence of Driving Experience on Distraction Engagement in Automated Vehicles. <i>Transportation Research Record</i> , 2019, 2673, 142-151.	1.9	20
27	Effects of Nested Interruptions on Task Resumption: A Laboratory Study With Intensive Care Nurses. <i>Human Factors</i> , 2017, 59, 628-639.	3.5	19
28	The Iowa graduated driver licensing program: Effectiveness in reducing crashes of teenage drivers. <i>Journal of Safety Research</i> , 2008, 39, 383-390.	3.6	18
29	Smartwatches vs. smartphones. , 2015, , .		17
30	The relationship between interruption content and interrupted task severity in intensive care nursing: an observational study. <i>International Journal of Nursing Studies</i> , 2015, 52, 1573-1581.	5.6	17
31	Evaluation criteria for human-automation performance metrics. , 2008, , .		16
32	A field operational trial evaluating a feedbackâ€‘reward system on speeding and tailgating behaviors. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014, 27, 56-68.	3.7	16
33	In-vehicle displays to support driver anticipation of traffic conflicts in automated vehicles. <i>Accident Analysis and Prevention</i> , 2021, 149, 105842.	5.7	16
34	Taxonomy of Mitigation Strategies for Driver Distraction. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2003, 47, 1865-1869.	0.3	14
35	The Effects of Predictive Displays on Performance in Driving Tasks with Multi-Second Latency. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 21-25.	0.3	14
36	Voluntary- and Involuntary-Distraction Engagement: An Exploratory Study of Individual Differences. <i>Human Factors</i> , 2018, 60, 575-588.	3.5	14

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37	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
38	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
39	Drivers Still Have Limited Knowledge About Adaptive Cruise Control Even When They Own the System. <i>Transportation Research Record</i> , 2021, 2675, 328-339.	1.9	14
40	Classification of Driver Cognitive Load: Exploring the Benefits of Fusing Eye-Tracking and Physiological Measures. <i>Transportation Research Record</i> , 2022, 2676, 670-681.	1.9	13
41	Mitigating nonurgent interruptions during high-severity intensive care unit tasks using a task-severity awareness tool: A quasi-controlled observational study. <i>Journal of Critical Care</i> , 2015, 30, 1150.e1-1150.e6.	2.2	12
42	Role of Habits in Cell Phone-Related Driver Distractions. <i>Transportation Research Record</i> , 2020, 2674, 254-262.	1.9	12
43	Anticipatory driving competence. , 2013, , .		10
44	EMG provides an earlier glimpse into the effects of cognitive distraction on brake motor response. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 2200-2204.	0.3	10
45	Designing Feedback to Mitigate Distraction. , 2008, , 519-531.		10
46	Interruption Management and Recovery in Time-critical Supervisory-level Tasks. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1745-1749.	0.3	8
47	Measuring Inhibitory Control in Driver Distraction. , 2014, , .		8
48	Supporting Air Versus Ground Vehicle Decisions for Interfacility Medical Transport Using Historical Data. <i>IEEE Transactions on Human-Machine Systems</i> , 2014, 44, 55-65.	3.5	8
49	Interruption management and office norms: Technology adoption lessons from a product commercialization study. <i>International Journal of Information Management</i> , 2014, 34, 741-750.	17.5	8
50	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
51	Hey, watch where youâ€™re going! An on-road study of driver scanning failures towards pedestrians and cyclists. <i>Accident Analysis and Prevention</i> , 2021, 162, 106380.	5.7	8
52	Modified Cooper Harper scales for assessing unmanned vehicle displays. , 2010, , .		7
53	Gaming to Safety. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 1884-1888.	0.3	7
54	The Influence of Visual-Manual Distractions on Anticipatory Driving. <i>Human Factors</i> , 2022, 64, 401-417.	3.5	7

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55	Mitigating Teen Driver Distraction: In-Vehicle Feedback Based on Peer Social Norms. Human Factors, 2021, 63, 503-518.	3.5	7
56	Anticipatory Driving in Automated Vehicles: The Effects of Driving Experience and Distraction. Human Factors, 2023, 65, 663-663.	3.5	7
57	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
58	Accounting for time-dependent covariates in driving simulator studies. Theoretical Issues in Ergonomics Science, 2008, 9, 189-199.	1.8	6
59	Predicting Environmental Demand and Secondary Task Engagement using Vehicle Kinematics from Naturalistic Driving Data. , 2018, , .		6
60	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
61	The Effects of Distraction on Anticipatory Driving. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1960-1964.	0.3	6
62	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
63	SHRP2 NEST Database. , 2016, , .		6
64	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
65	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
66	A Model of Anticipation in Driving. , 2014, , .		5
67	Takeover request (TOR) effects during different automated vehicle failures. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 0, , 1-31.	4.2	5
68	Evaluation Criteria for Human-Automation Performance Metrics. , 2009, , 21-40.		5
69	The Impact of Precipitation on Land Interfacility Transport Times. Prehospital and Disaster Medicine, 2014, 29, 593-599.	1.3	4
70	Smartwatches vs. Smartphones. International Journal of Mobile Human Computer Interaction, 2017, 9, 39-57.	0.4	4
71	Driver Fitness in the Resumption of Control. , 2020, , 173-215.		4
72	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

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73	Simulator Study of Involuntary Driver Distraction Under Different Perceptual Loads. <i>Transportation Research Record</i> , 2017, 2663, 12-19.	1.9	3
74	Should I Stay or Should I Go? Automated Vehicles in the Age of Climate Change. , 2020, , .		3
75	Searching for Street Parking: Effects on Driver Vehicle Control, Workload, Physiology, and Glances. <i>Frontiers in Psychology</i> , 2020, 11, 574262.	2.1	3
76	Associations between drivers' safety records and driving styles. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1973-1977.	0.3	2
77	Test-Retest Reliability of the Susceptibility to Driver Distraction Questionnaire. <i>Transportation Research Record</i> , 2015, 2518, 54-59.	1.9	2
78	Supporting dispatch decisions in interfacility medical transfers: Understanding the roles of uncertainty and reliability. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2015, 4, 174-178.	0.3	2
79	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
80	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
81	Design of Effective Feedback: Understanding Driver, Feedback, and Their Interaction. , 2013, , .		2
82	The Relation Between the Driver Behavior Questionnaire, Demographics, and Driving History. , 2017, , .		2
83	Voice-Controlled In-Vehicle Systems: Effects of Voice-Recognition Accuracy in the Presence of Background Noise. , 2017, , .		2
84	Simulator-Based Eco-drive Training for Fleet Drivers. <i>Lecture Notes in Mechanical Engineering</i> , 2016, , 545-552.	0.4	2
85	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
86	A Naturalistic Driving Study of Feedback Timing and Financial Incentives in Promoting Speed Limit Compliance. <i>IEEE Transactions on Human-Machine Systems</i> , 2022, 52, 64-73.	3.5	2
87	Attentive User Interfaces: Adaptive Interfaces that Monitor and Manage Driver Attention. <i>Studies in Computational Intelligence</i> , 2022, , 305-334.	0.9	2
88	Mitigating operating room distractions: A systematic review assessing intervention effectiveness. <i>Human Factors in Healthcare</i> , 2022, 2, 100013.	1.5	2
89	Comparing, Merging, and Adapting Methods of Cognitive Task Analysis. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 187-191.	0.3	1
90	Metrics for Supervisory Control System Evaluation. , 2013, , .		1

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91	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
92	Driving Under Involuntary Distraction and Varied Perceptual Loads. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1869-1873.	0.3	1
93	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
94	The Effect of Failure Predictability on Driver Takeover Performance and Monitoring Behavior in Partially Automated Vehicles. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 2109-2109.	0.3	1
95	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
96	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
97	Teen Driver Distractions and Parental Norms. Transportation Research Record, 2022, 2676, 622-632.	1.9	1
98	Metric selection for evaluating human supervisory control of unmanned vehicles. , 2010, , .		0
99	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
100	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
101	The Impact of Single-Operator versus Team Tele-operation of a Search Vehicle. , 2013, , .		0
102	Towards Mitigating Teenagersâ€™ Distracted Driving Behaviors. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1879-1883.	0.3	0
103	Dispatch Decision Making in an Air Medical Transport System. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 259-263.	0.3	0
104	A Taxonomy of Distraction Mitigation Strategies for Operating Rooms. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 677-677.	0.3	0
105	Collision Risk Assessment Using Naturalistic Data from a Rent-A-Car Fleet. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 2030-2030.	0.3	0
106	Capturing Voluntary, Involuntary, and Habitual Components of Driver Distraction in a Self-Reported Questionnaire. , 2015, , .		0
107	Smartwatches vs. Smartphones. , 2019, , 453-473.		0
108	Human factors applications in the design of decision support systems for population health: a scoping review. BMJ Open, 2022, 12, e054330.	1.9	0

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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