Donald L Fisher

List of Publications by Year
in descending order

91	3,893	147726 31	123376 61
papers	citations	h-index	g-index

95	95	95	2177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toward a model of eye movement control in reading.. Psychological Review, 1998, 105, 125-157.	2.7	1,029
2	Using Eye Movements To Evaluate Effects of Driver Age on Risk Perception in a Driving Simulator. Human Factors, 2005, 47, 840-852.	2.1	238
3	Use of a Fixed-Base Driving Simulator to Evaluate the Effects of Experience and PC-Based Risk Awareness Training on Drivers' Decisions. Human Factors, 2002, 44, 287-302.	2.1	150
4	Using Eye Movements to Evaluate a PC-Based Risk Awareness and Perception Training Program on a Driving Simulator. Human Factors, 2006, 48, 447-464.	2.1	147
5	Central capacity limits in consistent mapping, visual search tasks: Four channels or more?. Cognitive Psychology, 1984, 16, 449-484.	0.9	126
6	Are driving simulators effective tools for evaluating novice driversâ€™ hazard anticipation, speed management, and attention maintenance skills?. Transportation Research Part F: Traffic Psychology and Behaviour, 2010, 13, 343-353.	1.8	120
7	Stochastic PERT networks as models of cognition: Derivation of the mean, variance, and distribution of reaction time using Order-of-Processing (OP) diagrams. Journal of Mathematical Psychology, 1983, 27, 121-151.	1.0	101
8	The Effect of Active Versus Passive Training Strategies on Improving Older Driversâ€™ Scanning in Intersections. Human Factors, 2009, 51, 652-668.	2.1	101
9	Limited-channel models of automatic detection: Capacity and scanning in visual search.. Psychological Review, 1982, 89, 662-692.	2.7	82
10	Visual Displays: The Highlighting Paradox. Human Factors, 1989, 31, 17-30.	2.1	81
11	Letter processing during eye fixations in visual search. Perception & Psychophysics, 1987, 42, 87-100.	2.3	80
12	Risk Attitude Reversals in Drivers' Route Choice When Range of Travel Time Information Is Provided. Human Factors, 2002, 44, 466-473.	2.1	71
13	Use of a driving simulator to evaluate and optimize factors affecting understandability of variable message signs. Transportation Research Part F: Traffic Psychology and Behaviour, 2004, 7, 209-227.	1.8	69
14	Comparing the glance patterns of older versus younger experienced drivers: Scanning for hazards while approaching and entering the intersection. Transportation Research Part F: Traffic Psychology and Behaviour, 2013, 16, 104-116.	1.8	68
15	Error identification and recovery by student nurses using human patient simulation: Opportunity to improve patient safety. Applied Nursing Research, 2010, 23, 11-21.	1.0	65
16	Minimizing the Time to Search Visual Displays: The Role of Highlighting. Human Factors, 1989, 31, 167-182.	2.1	59
17	The Framing of Drivers' Route Choices when Travel Time Information Is Provided under Varying Degrees of Cognitive Load. Human Factors, 2000, 42, 470-481.	2.1	55
18	Molar and latent models of cognitive slowing: Implications for aging, dementia, depression, development, and intelligence. Psychonomic Bulletin and Review, 1996, 3, 458-480.	1.4	54

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19	Identifying and Remedying Failures of Selective Attention in Younger Drivers. Current Directions in Psychological Science, 2006, 15, 255-259.	2.8	53
20	Empirical Evaluation of Hazard Anticipation Behaviors in the Field and on Driving Simulator Using Eye Tracker. Transportation Research Record, 2007, 2018, 80-86.	1.0	50
21	Identifying and Remediating Failures of Selective Attention in Older Drivers. Current Directions in Psychological Science, 2012, 21, 3-7.	2.8	47
22	The effect of male teenage passengers on male teenage drivers: Findings from a driving simulator study. Accident Analysis and Prevention, 2013, 58, 132-139.	3.0	46
23	Evaluation of the effectiveness of a multi-skill program for training younger drivers on higher cognitive skills. Applied Ergonomics, 2016, 52, 135-141.	1.7	46
24	Do Crashes and near Crashes in Simulator-Based Training Enhance Novice Driversâ€™ Visual Search for Latent Hazards?. Transportation Research Record, 2011, 2265, 153-160.	1.0	42
25	Stochastic pert networks: OP diagrams, critical paths and the project completion time. Computers and Operations Research, 1985, 12, 471-482.	2.4	38
26	Driving without a Clue. Transportation Research Record, 2007, 2018, 9-14.	1.0	38
27	Experienced drivers are quicker to achieve situation awareness than inexperienced drivers in situations of transfer of control within a Level 3 autonomous environment. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 270-273.	0.2	37
28	Humans and Intelligent Vehicles: The Hope, the Help, and the Harm. IEEE Transactions on Intelligent Vehicles, 2016, 1, 56-67.	9.4	36
29	Bar-code Verification. Journal of Nursing Administration, 2012, 42, 562-566.	0.7	34
30	Eye Tracking as a Debriefing Mechanism in the Simulated Setting Improves Patient Safety Practices. Dimensions of Critical Care Nursing, 2014, 33, 129-135.	0.4	34
31	Nurses' behaviors and visual scanning patterns may reduce patient identification errors.. Journal of Experimental Psychology: Applied, 2011, 17, 247-256.	0.9	32
32	Evaluation of the Minimum Forward Roadway Glance Duration. Transportation Research Record, 2015, 2518, 9-17.	1.0	32
33	Risk Perception Training for Novice Drivers. Transportation Research Record, 2006, 1969, 58-64.	1.0	31
34	Hazard Anticipation of Novice and Experienced Drivers. Transportation Research Record, 2007, 2009, 1-7.	1.0	29
35	Eye Tracking. Simulation in Healthcare, 2017, 12, 51-56.	0.7	29
36	Using Crash Data to Develop Simulator Scenarios for Assessing Novice Driver Performance. Transportation Research Record, 2012, 2321, 73-78.	1.0	28

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37	Virtual Reality Headset Training: Can It Be Used to Improve Young Driversâ€™ Latent Hazard Anticipation and Mitigation Skills. Transportation Research Record, 2018, 2672, 20-30.	1.0	28
38	Steps toward Building Mathematical and Computer Models from Cognitive Task Analyses. Human Factors, 2003, 45, 77-103.	2.1	27
39	A simulator evaluation of the effects of attention maintenance training on glance distributions of younger novice drivers inside and outside the vehicle. Transportation Research Part F: Traffic Psychology and Behaviour, 2013, 20, 154-169.	1.8	27
40	Understanding the central processing limit in consistent-mapping visual search tasks.. Journal of Experimental Psychology: Human Perception and Performance, 1988, 14, 253-266.	0.7	24
41	Effect of External Distractions. Transportation Research Record, 2012, 2321, 15-22.	1.0	24
42	Stochastic networks as models of cognition: Derivation of response time distributions using the Order-of-Processing method. Journal of Mathematical Psychology, 1991, 35, 214-241.	1.0	23
43	Optimal Performance Engineering: Good, Better, Best. Human Factors, 1993, 35, 115-139.	2.1	22
44	EYE MOVEMENTS AND THE PERCEPTUAL SPAN DURING VISUAL SEARCH. , 1987, , 293-302.		20
45	A three-factor model of syllogistic reasoning: The study of isolable stages. Memory and Cognition, 1981, 9, 496-514.	0.9	19
46	Glancing and Stopping Behavior of Motorcyclists and Car Drivers at Intersections. Transportation Research Record, 2011, 2265, 81-88.	1.0	18
47	Effects of Alert Cue Specificity on Situation Awareness in Transfer of Control in Level 3 Automation. Transportation Research Record, 2017, 2663, 27-33.	1.0	17
48	Impact of Cognitive Distractions on Driversâ€™ Hazard Anticipation Behavior in Complex Scenarios. Transportation Research Record, 2019, 2673, 440-451.	1.0	17
49	Effect of Visual and Auditory Alerts on Older Driversâ€™ Glances toward Latent Hazards while Turning Left at Intersections. Transportation Research Record, 2019, 2673, 117-126.	1.0	15
50	Effective cues for accelerating young driversâ€™ time to transfer control following a period of conditional automation. Accident Analysis and Prevention, 2018, 116, 14-20.	3.0	14
51	Age-Related Differences in Vehicle Control and Eye Movement Patterns at Intersections: Older and Middle-Aged Drivers. PLoS ONE, 2016, 11, e0164124.	1.1	14
52	Stochastic networks as models of cognition: Deriving predictions for resource-constrained mental processing. Journal of Mathematical Psychology, 1992, 36, 129-145.	1.0	13
53	Effectiveness of a strategic hazard anticipation training intervention in high risk scenarios. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 67, 43-56.	1.8	13
54	Using Eye Movements in Driving Simulators to Evaluate Effects of PC-Based Risk Awareness Training. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 2266-2270.	0.2	12

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55	Advanced Virtual Reality Based Training to Improve Young Driversâ€™ Latent Hazard Anticipation Ability. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1995-1999.	0.2	12
56	Why latent models are needed to test hypotheses about the slowing of word and language processes in older adults. Advances in Psychology, 1995, 110, 1-29.	0.1	11
57	Field Evaluation of a Risk Awareness and Perception Training Program for Younger Drivers. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 2388-2391.	0.2	11
58	Large reductions are possible in older driver crashes at intersections. Australasian journal of optometry, The, 2016, 99, 419-424.	0.6	10
59	The Promise of Virtual Reality Headsets: Can They be Used to Measure Accurately Driversâ€™ Hazard Anticipation Performance?. Transportation Research Record, 2019, 2673, 455-464.	1.0	9
60	The Use of a Driving Simulator to Assess Senior Driver Performance: Increasing Situational Awareness Through Post-Drive One-on-One Advisement. , 2005, , .		8
61	Modeling situation awareness and crash risk. Annals of Advances in Automotive Medicine, 2014, 58, 33-9.	0.6	8
62	Additive factors and stages of mental processes in task networks. Journal of Mathematical Psychology, 2010, 54, 405-414.	1.0	7
63	Evaluation of a Risk Awareness Perception Training Program on Novice Teen Driver Behavior at Left-Turn Intersections. Transportation Research Record, 2015, 2516, 15-21.	1.0	7
64	Advanced Parking Management Systems: Models of Drivers' Parking Strategies. Proceedings of the Human Factors and Ergonomics Society, 1998, 42, 1237-1241.	0.2	6
65	New Measure of Inattentiveness to Forward Roadway. Transportation Research Record, 2012, 2321, 31-37.	1.0	6
66	Navigating Intersections. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1636-1640.	0.2	6
67	Identifying and remedying failures of hazard anticipation in novice drivers. Theoretical Issues in Ergonomics Science, 2022, 23, 333-346.	1.0	6
68	Evaluation of the Effect of a Novice Driver Training Program on Citations and Crashes. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1991-1995.	0.2	5
69	On-Road Effectiveness of a Tablet-Based Teen Driver Training Intervention. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1926-1930.	0.2	5
70	Extending Analysis of Older Driversâ€™ Scanning Patterns at Intersections. Transportation Research Record, 2016, 2602, 10-15.	1.0	5
71	Impact of Cognitive Distractions on Driversâ€™ Hazardous Event Anticipation and Mitigation Behavior in Vehicleâ€“Bicycle Conflict Situations. Transportation Research Record, 2020, 2674, 504-513.	1.0	5
72	Long Term Effects of Hazard Anticipation Training on Novice Drivers Measured on the Open Road. , 2011, 2011, 187-194.		5

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73	Can Visualizations Complement Quantitative Process Analysis Measures? A Case Study of Nurses Identifying Patients Before Administering Medications. Journal of Cognitive Engineering and Decision Making, 2013, 7, 198-210.	0.9	4
74	Optimizing the Set of Highlighted Options on Video Display Terminal Menus. Proceedings of the Human Factors Society Annual Meeting, 1985, 29, 650-654.	0.1	3
75	Drivers' Performance in Response to Sight-Limited Crash Scenarios at Midblock Crosswalks: Evaluation of Advance Yield Markings and Symbolic Signage. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1835-1839.	0.2	3
76	Investigating Differences between Experienced Adult Drivers and Teen Drivers with Low-Cost Vehicle Data Recorder. Transportation Research Record, 2012, 2321, 79-87.	1.0	3
77	Understanding drivers' latent hazard anticipation in partially automated vehicle systems. International Journal of Human Factors and Ergonomics, 2020, 7, 282.	0.2	3
78	The Effect of Driver Age and Experience on Risk Assessment and Risk Prediction. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 2627-2631.	0.2	2
79	Mathematical Models in Engineering Psychology: Optimizing Performance. , 2006, , 997-1024.		2
80	Predicting Route Choices of Drivers Given Categorical and Numerical Information on Delays Ahead. Transportation Research Record, 2011, 2248, 104-110.	1.0	2
81	Evaluation of a Training Intervention to Improve Novice Driversâ€™ Hazard Mitigation When Approaching Left Turn Scenarios. Transportation Research Record, 2019, 2673, 474-484.	1.0	2
82	Impact of L2 automated systems on hazard anticipation and mitigation behavior of young drivers with varying levels of Attention Deficit Hyperactivity Disorder symptomatology. Accident Analysis and Prevention, 2021, 159, 106292.	3.0	2
83	Can Secondary Traffic Alerts Improve the Latent Hazard Anticipation Ability of Novice and Experienced Drivers? A Simulator Study. Advances in Intelligent Systems and Computing, 2016, , 715-726.	0.5	2
84	Maintaining Kinematic Constraints when Performing Mental Rotations About a Fixed Axis: Implications for Instruction and Displays. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1400-1403.	0.2	1
85	Perceptual Learning: Theory and Practice. Proceedings of the Human Factors Society Annual Meeting, 1987, 31, 1049-1053.	0.1	0
86	Optimal Grip Force Work/Rest Patterns Developed from a Model to Predict Localized Muscle Fatigue during Maximal and Submaximal Work. Proceedings of the Human Factors and Ergonomics Society, 1994, 38, 961-961.	0.2	0
87	Developing an Adaptive Warning System for Backing Crashes in Different Types of Backing Scenarios. Journal of Transportation Safety and Security, 2011, 3, 38-58.	1.1	0
88	Evaluation of Two Types of In-Vehicle Music Retrieval and Navigation Systems. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1992-1996.	0.2	0
89	A Predictive Model of Driver Response in an Autonomous Environment. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1671-1675.	0.2	0
90	Simulation and Analysis of Perceptual-Motor Skill Training. Proceedings of the Human Factors Society Annual Meeting, 1992, 36, 1264-1268.	0.1	0

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91	Booster Dose of Attention Training Program for Young Novice Drivers: A Longitudinal Driving Simulator Evaluation Study. Human Factors, 2024, 66, 933-953.	2.1	0