

Carryl L Baldwin

List of Publications by Year in descending order

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53
papers

1,252
citations

567281

15
h-index

377865

34
g-index

59
all docs

59
docs citations

59
times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	Driver fatigue: The importance of identifying causal factors of fatigue when considering detection and countermeasure technologies. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2009, 12, 218-224.	3.7	298
2	Detecting and Quantifying Mind Wandering during Simulated Driving. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 406.	2.0	127
3	Adaptive training using an artificial neural network and EEG metrics for within- and cross-task workload classification. <i>NeuroImage</i> , 2012, 59, 48-56.	4.2	125
4	Cloze probability and completion norms for 498 sentences: Behavioral and neural validation using event-related potentials. <i>Behavior Research Methods</i> , 2010, 42, 665-670.	4.0	75
5	Designing in-vehicle technologies for older drivers: Application of sensory-cognitive interaction theory. <i>Theoretical Issues in Ergonomics Science</i> , 2002, 3, 307-329.	1.8	56
6	Perceived urgency mapping across modalities within a driving context. <i>Applied Ergonomics</i> , 2014, 45, 1270-1277.	3.1	54
7	Verbal collision avoidance messages during simulated driving: perceived urgency, alerting effectiveness and annoyance. <i>Ergonomics</i> , 2011, 54, 328-337.	2.1	53
8	Individual Differences in Route-Learning Strategy and Associated Working Memory Resources. <i>Human Factors</i> , 2009, 51, 368-377.	3.5	46
9	Impact of sensory acuity on auditory working memory span in young and older adults.. <i>Psychology and Aging</i> , 2011, 26, 85-91.	1.6	44
10	Loudness interacts with semantics in auditory warnings to impact rear-end collisions. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2011, 14, 36-42.	3.7	41
11	Multimodal urgency coding: auditory, visual, and tactile parameters and their impact on perceived urgency. <i>Work</i> , 2012, 41, 3586-3591.	1.1	38
12	Facilitating route memory with auditory route guidance systems. <i>Journal of Environmental Psychology</i> , 2006, 26, 146-155.	5.1	37
13	Individual differences in navigational strategy: implications for display design. <i>Theoretical Issues in Ergonomics Science</i> , 2009, 10, 443-458.	1.8	22
14	Grand Field Challenges for Cognitive Neuroergonomics in the Coming Decade. <i>Frontiers in Neuroergonomics</i> , 2021, 2, .	1.1	20
15	An electrophysiological correlate of conflict processing in an auditory spatial Stroop task: The effect of individual differences in navigational style. <i>International Journal of Psychophysiology</i> , 2013, 90, 265-271.	1.0	17
16	Positive valence music restores executive control over sustained attention. <i>PLoS ONE</i> , 2017, 12, e0186231.	2.5	17
17	Equating Perceived Urgency Across Auditory, Visual, and Tactile Signals. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 1307-1311.	0.3	14
18	Cognitive implications of facilitating echoic persistence. <i>Memory and Cognition</i> , 2007, 35, 774-780.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Auditory forward collision warnings reduce crashes associated with task-induced fatigue in young and older drivers. <i>International Journal of Human Factors and Ergonomics</i> , 2014, 3, 107.	0.3	11
20	Effect of Tactile Location, Pulse Duration, and Interpulse Interval on Perceived Urgency. <i>Transportation Research Record</i> , 2014, 2423, 10-14.	1.9	11
21	DISSOCIABLE ASPECTS OF MENTAL WORKLOAD: EXAMINATIONS OF THE P300 ERP COMPONENT AND PERFORMANCE ASSESSMENTS. <i>Psychologia</i> , 2005, 48, 102-119.	0.3	11
22	Impact of speech presentation level on cognitive task performance: implications for auditory display design. <i>Ergonomics</i> , 2002, 45, 61-74.	2.1	10
23	Validation of Essential Acoustic Parameters for Highly Urgent In-Vehicle Collision Warnings. <i>Human Factors</i> , 2018, 60, 248-261.	3.5	10
24	Comparing the Relative Strengths of EEG and Low-Cost Physiological Devices in Modeling Attention Allocation in Semiautonomous Vehicles. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 109.	2.0	10
25	Perceived Urgency and Annoyance of Auditory Alerts in a Driving Context. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 1684-1687.	0.3	9
26	Temporal Factors of EEG and Artificial Neural Network Classifiers of Mental Workload. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 188-192.	0.3	9
27	Individual Differences in Multimodal Waypoint Navigation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 1539-1543.	0.3	8
28	Mind Wandering While Driving. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 1686-1690.	0.3	7
29	Perceived Urgency, Alerting Effectiveness and Annoyance of Verbal Collision Avoidance System Messages. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002, 46, 1848-1852.	0.3	6
30	Designing Unambiguous Auditory Crash Warning Systems. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 2078-2082.	0.3	5
31	Comparison of Traditional Psychophysical and Sorting Methods for In-Vehicle Display Design. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 1312-1315.	0.3	3
32	Associative activation during interrupted task performance: a mixed methods approach to understanding the overall quality effects of interruptions. <i>Theoretical Issues in Ergonomics Science</i> , 2018, 19, 118-134.	1.8	3
33	Impact of Age-related Hearing Impairment on Cognitive Task Performance: Evidence for Improving Existing Methodologies. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 245-249.	0.3	2
34	Interference Effects on the Recall of Words Heard and Read: Considerations for ATC Communication. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002, 46, 392-396.	0.3	2
35	Interference Timing and Acknowledgement Response with Voice and Datalink Atc Commands. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2006, 50, 11-15.	0.3	2
36	Allowing for Individual Differences in Auditory Warning Design: Who Benefits from Spatial Auditory Alerts?. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 1082-1086.	0.3	2

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37	The Role of Age-Related Neural Timing Variability in Speech Processing. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 162-166.	0.3	2
38	Max Brake Force as a Measure of Perceived Urgency in a Driving Context. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 2162-2166.	0.3	2
39	Driving by the Seat of Your Pants. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 2033-2037.	0.3	2
40	Vigilance and Fatigue. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1563-1568.	0.3	2
41	Prevention of Rear-End Crashes in Drivers with Task-Induced Fatigue through the Use of Auditory Collision Avoidance Warnings. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 2409-2413.	0.3	1
42	Tactile Route Guidance Performance and Preference. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1504-1508.	0.3	1
43	Multimodal and Cross-Modal Perception: Audition. , 0, , 325-344.		1
44	Individual Differences in Verbal-Spatial Conflict in Rapid Spatial-Orientation Tasks. Human Factors, 2015, 57, 507-522.	3.5	1
45	Individual differences in rapid spatial orientation across spatial frames of reference. International Journal of Human Factors and Ergonomics, 2016, 4, 73.	0.3	1
46	Neuroergonomics of Simulators and Behavioral Research Methods. , 2019, , 49-53.		1
47	Comprehension of Vibrotactile Route Guidance Cues. Lecture Notes in Computer Science, 2013, , 12-18.	1.3	1
48	Verbal Collision Avoidance Messages of Varying Perceived Urgency Reduce Crashes in High Risk Scenarios. , 2005, , .		1
49	Secondary Task Engagement During Automated Drives: Friend and Foe?. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1926-1930.	0.3	1
50	The Origins of Passive, Active, and Sleep-Related Fatigue. Frontiers in Neuroergonomics, 2021, 2, .	1.1	1
51	Hearing Levels Affect Higher Order Cognitive Performance. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 121-125.	0.3	0
52	Effects of pulse rate, fundamental frequency and burst density on auditory similarity. Theoretical Issues in Ergonomics Science, 2015, 16, 174-186.	1.8	0
53	CRASINS: an improved method for urgency scaling within and across modalities. International Journal of Human Factors and Ergonomics, 2016, 4, 126.	0.3	0