

# Tyler H Shaw

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43  
papers

907  
citations

16  
h-index

29  
g-index

44  
ext. papers

1,095  
ext. citations

2.1  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
43	A Closer Look at Warning Cues on the Sustained Attention to Response Task Performance.. <i>Human Factors</i> , <b>2022</b> , 187208211060708	3.8	2
42	The Effects of Dual-Task Interference on Visual Search and Verbal Memory.. <i>Ergonomics</i> , <b>2022</b> , 1-18	2.9	1
41	Measurement of Trust in Automation: A Narrative Review and Reference Guide. <i>Frontiers in Psychology</i> , <b>2021</b> , 12, 604977	3.4	5
40	Towards a Theory of Longitudinal Trust Calibration in Human-Robot Teams. <i>International Journal of Social Robotics</i> , <b>2020</b> , 12, 459-478	4	54
39	Team Structure and Team Building Improve Human-Machine Teaming With Autonomous Agents. <i>Journal of Cognitive Engineering and Decision Making</i> , <b>2019</b> , 13, 258-278	2.5	21
38	Mixing It Up: How Mixed Groups of Humans and Machines Modulate Conformity. <i>Journal of Cognitive Engineering and Decision Making</i> , <b>2019</b> , 13, 242-257	2.5	7
37	Transcranial Doppler sonography reveals sustained attention deficits in young adults diagnosed with ADHD. <i>Experimental Brain Research</i> , <b>2019</b> , 237, 511-520	2.3	2
36	Does Depleting Self-Control Result in Poorer Vigilance Performance?. <i>Human Factors</i> , <b>2019</b> , 61, 415-425	3.8	1
35	Transcranial Doppler Sonography in Neuroergonomics <b>2019</b> , 35-42		2
34	A single-item assessment for remaining mental resources: development and validation of the Gas Tank Questionnaire (GTQ). <i>Theoretical Issues in Ergonomics Science</i> , <b>2018</b> , 19, 530-552	2.2	6
33	From Automation to Autonomy: the importance of trust repair in human-machine interaction. <i>Ergonomics</i> , <b>2018</b> , 61, 1409-1427	2.9	98
32	Trust Repair Strategies with Self-Driving Vehicles: An Exploratory Study. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2018</b> , 62, 1108-1112	0.4	16
31	The Neuroergonomics of Vigilance. <i>Human Factors</i> , <b>2017</b> , 59, 62-75	3.8	17
30	Designing Artificial Agents as Social Companions. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2017</b> , 61, 1604-1608	0.4	2
29	The Influence of Risky Conditions in Trust in Autonomous Systems. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2017</b> , 61, 324-328	0.4	13
28	Transcranial Doppler Sonography Reveals Reductions in Hemispheric Asymmetry in Healthy Older Adults during Vigilance. <i>Frontiers in Aging Neuroscience</i> , <b>2017</b> , 9, 21	5.3	7
27	Application of a System-Wide Trust Strategy when Supervising Multiple Autonomous Agents. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2016</b> , 60, 133-137	0.4	13

26	Cerebral hemovelocity reveals differential resource allocation strategies for extraverts and introverts during vigilance. <i>Experimental Brain Research</i> , <b>2016</b> , 234, 577-85	2.3	12
25	Neuroticism and vigilance revisited: A transcranial doppler investigation. <i>Consciousness and Cognition</i> , <b>2015</b> , 36, 19-26	2.6	8
24	The effects of self-control on cognitive resource allocation during sustained attention: a transcranial Doppler investigation. <i>Experimental Brain Research</i> , <b>2015</b> , 233, 2215-23	2.3	5
23	Statistical modelling of networked human-automation performance using working memory capacity. <i>Ergonomics</i> , <b>2014</b> , 57, 295-318	2.9	13
22	Using cerebral hemovelocity to measure workload in a complex vigilance task with display redundancy. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2014</b> , 58, 400-404	0.4	2
21	Best of Both Worlds: Evaluation of Multi-Modal Communication Management Suite. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2014</b> , 58, 410-414	0.4	1
20	The Effect of Neuroticism on Vigilance Performance: A Transcranial Doppler Investigation. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2014</b> , 58, 969-973	0.4	1
19	Predicting battlefield vigilance: a multivariate approach to assessment of attentional resources. <i>Ergonomics</i> , <b>2014</b> , 57, 856-75	2.9	72
18	Exploring the feasibility of using functional tissue pulsatility imaging to measure cognitive load during an abbreviated vigilance task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2014</b> , 58, 225-229	0.4	
17	Team performance in networked supervisory control of unmanned air vehicles: effects of automation, working memory, and communication content. <i>Human Factors</i> , <b>2014</b> , 56, 463-75	3.8	27
16	The sustained attention to response task (SART) does not promote mindlessness during vigilance performance. <i>Human Factors</i> , <b>2014</b> , 56, 1364-79	3.8	26
15	Event-related cerebral hemodynamics reveal target-specific resource allocation for both "go" and "no-go" response-based vigilance tasks. <i>Brain and Cognition</i> , <b>2013</b> , 82, 265-73	2.7	37
14	Viewing the workload of vigilance through the lenses of the NASA-TLX and the MRQ. <i>Human Factors</i> , <b>2013</b> , 55, 1044-63	3.8	46
13	Using cerebral hemovelocity to measure workload during a spatialised auditory vigilance task in novice and experienced observers. <i>Ergonomics</i> , <b>2013</b> , 56, 1251-63	2.9	36
12	Assessing Resource Utilization during Vigilance Using Transcranial Doppler: The Effects of Extraversion. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2013</b> , 57, 818-822	0.4	4
11	Effects of regular or irregular event schedules on cerebral hemovelocity during a sustained attention task. <i>Journal of Clinical and Experimental Neuropsychology</i> , <b>2012</b> , 34, 57-66	2.1	33
10	Measuring workload during a dynamic supervisory control task using cerebral blood flow velocity and the NASA-TLX. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2012</b> , 56, 163-167	0.4	9
9	A comparison of subjective and physiological workload assessment techniques during a 3-dimensional audio vigilance task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2012</b> , 56, 1451-1455	0.4	4

8	The functional fidelity of individual differences research: the case for context-matching. <i>Theoretical Issues in Ergonomics Science</i> , <b>2011</b> , 12, 435-450	2.2	15
7	Using Transcranial Doppler Sonography to Measure Cognitive Load in a Command and Control Task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2010</b> , 54, 249-253	0.4	3
6	Individual differences in vigilance: Personality, ability and states of stress. <i>Journal of Research in Personality</i> , <b>2010</b> , 44, 297-308	2.8	82
5	Towards Adaptive Automation. <i>Advances in Human Factors and Ergonomics Series</i> , <b>2010</b> , 52-61		1
4	Effects of sensory modality on cerebral blood flow velocity during vigilance. <i>Neuroscience Letters</i> , <b>2009</b> , 461, 207-11	3.3	82
3	Detecting threat-related intentional actions of others: effects of image quality, response mode, and target cuing on vigilance. <i>Journal of Experimental Psychology: Applied</i> , <b>2009</b> , 15, 275-90	1.8	45
2	Effects of warned and unwarned demand transitions on vigilance performance and stress. <i>Anxiety, Stress and Coping</i> , <b>2008</b> , 21, 173-84	3.1	58
1	Measuring the Workload of Sustained Attention. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2006</b> , 50, 1614-1618	0.4	16