

Don Harris

List of Publications by Year in descending order

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76
papers

2,185
citations

318942

23
h-index

274796

44
g-index

80
all docs

80
docs citations

80
times ranked

1531
citing authors

#	ARTICLE	IF	CITATIONS
1	Using neural networks to predict high-risk flight environments from accident and incident data. International Journal of Occupational Safety and Ergonomics, 2022, 28, 1204-1212.	1.1	1
2	Weight watchers: NASA-TLX weights revisited. Theoretical Issues in Ergonomics Science, 2022, 23, 725-748.	1.0	15
3	Estimating the required number of Harbour Pilots to support airline operations of a single pilot commercial aircraft at a UK regional airport. Aeronautical Journal, 2022, 126, 1497-1509.	1.1	4
4	Live“virtual”constructive simulation for testing and evaluation of air combat tactics, techniques, and procedures, Part 2: demonstration of the framework. Journal of Defense Modeling and Simulation, 2021, 18, 295-308.	1.2	9
5	Live“virtual”constructive simulation for testing and evaluation of air combat tactics, techniques, and procedures, Part 1: assessment framework. Journal of Defense Modeling and Simulation, 2021, 18, 285-293.	1.2	15
6	Measurement of team performance in air combat “ have we been underperforming?. Theoretical Issues in Ergonomics Science, 2021, 22, 338-359.	1.0	10
7	Team situation awareness accuracy measurement technique for simulated air combat - Curvilinear relationship between awareness and performance. Applied Ergonomics, 2021, 96, 103473.	1.7	11
8	Workload benefits of colour coded head-up flight symbology during high workload flight. Displays, 2020, 65, 101973.	2.0	9
9	Seven HCI Grand Challenges. International Journal of Human-Computer Interaction, 2019, 35, 1229-1269.	3.3	273
10	Pilot competencies as components of a dynamic human-machine system. Human Factors and Ergonomics in Manufacturing, 2019, 29, 466-477.	1.4	8
11	Editorial: Ergonomics and Human Factors in Aviation. Ergonomics, 2019, 62, 131-137.	1.1	16
12	Dissociation Between Mental Workload, Performance, and Task Awareness in Pilots of High Performance Aircraft. IEEE Transactions on Human-Machine Systems, 2019, 49, 1-9.	2.5	23
13	Using Neural Networks to predict HFACS unsafe acts from the pre-conditions of unsafe acts. Ergonomics, 2019, 62, 181-191.	1.1	14
14	Comparison of NASA-TLX scale, modified Cooper“Harper scale and mean inter-beat interval as measures of pilot mental workload during simulated flight tasks. Ergonomics, 2019, 62, 246-254.	1.1	57
15	Taking to the Skies: Developing a Dedicated MSc Course in Aviation Human Factors. Advances in Intelligent Systems and Computing, 2019, , 57-61.	0.5	2
16	Passenger Attitudes to Flying on a Single-Pilot Commercial Aircraft. Aviation Psychology and Applied Human Factors, 2019, 9, 77-85.	0.3	8
17	Network Re-analysis of Boeing 737 Accident at Kegworth Using Different Potential Crewing Configurations for a Single Pilot Commercial Aircraft. Lecture Notes in Computer Science, 2018, , 572-582.	1.0	7
18	The use of operational event sequence diagrams and work domain analysis techniques for the specification of the crewing configuration of a single-pilot commercial aircraft. Cognition, Technology and Work, 2017, 19, 289-302.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Doing more with fewer people: Human Factors contributions on the road to efficiency and productivity. <i>Cognition, Technology and Work</i> , 2017, 19, 207-209.	1.7	4
20	The Future Flight Deck. <i>Lecture Notes in Computer Science</i> , 2017, , 222-230.	1.0	1
21	Safety Management Practices Hindering the Development of Safety Performance Indicators in Aviation Service Providers. <i>Aviation Psychology and Applied Human Factors</i> , 2017, 7, 95-106.	0.3	11
22	An Inputâ€“Processâ€“Output Model of Pilot Core Competencies. <i>Aviation Psychology and Applied Human Factors</i> , 2017, 7, 78-85.	0.3	11
23	What can be done versus what should be done: a critical evaluation of the transfer of human engineering solutions between application domains. , 2017, , 339-346.		3
24	Fighter pilots' heart rate, heart rate variation and performance during an instrument flight rules proficiency test. <i>Applied Ergonomics</i> , 2016, 56, 213-219.	1.7	48
25	Transport in the 21st Century: The application of human factors to future user needs. <i>Applied Ergonomics</i> , 2016, 53, 295-297.	1.7	1
26	Fighter pilotsâ€™ heart rate, heart rate variation and performance during instrument approaches. <i>Ergonomics</i> , 2016, 59, 1344-1352.	1.1	55
27	The future flight deck: Modelling dual, single and distributed crewing options. <i>Applied Ergonomics</i> , 2016, 53, 331-342.	1.7	66
28	Spot the difference: Operational event sequence diagrams as a formal method for work allocation in the development of single-pilot operations for commercial aircraft. <i>Ergonomics</i> , 2015, 58, 1773-1791.	1.1	32
29	Dual Pilot and Single Pilot Operations â€“ Hierarchical Task Decomposition Analysis of Doing More with Less. <i>Lecture Notes in Computer Science</i> , 2015, , 365-376.	1.0	0
30	Perceptual control and feedback control in the analysis of complex tasks. <i>Theoretical Issues in Ergonomics Science</i> , 2014, 15, 505-516.	1.0	3
31	Modelling and analysis of single pilot operations in commercial aviation. , 2014, , .		8
32	Identifying Training Deficiencies in Military Pilots by Applying the Human Factors Analysis and Classification System. <i>International Journal of Occupational Safety and Ergonomics</i> , 2013, 19, 3-18.	1.1	20
33	Distributed Cognition in Flight Operations. <i>Lecture Notes in Computer Science</i> , 2013, , 125-133.	1.0	2
34	The human factors that relate to technological developments in aviation. , 2012, , 132-154.		2
35	An extension of the Human Factors Analysis and Classification System for use in open systems. <i>Theoretical Issues in Ergonomics Science</i> , 2011, 12, 108-128.	1.0	33
36	Instructor Perceptions of the Accident Likelihood Faced by Recently Trained Glider Pilots. <i>Aviation, Space, and Environmental Medicine</i> , 2011, 82, 1093-1097.	0.6	0

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37	Rule Fragmentation in the Airworthiness Regulations: A Human Factors Perspective. Lecture Notes in Computer Science, 2011, , 546-555.	1.0	2
38	Rule Fragmentation in the Airworthiness Regulations. Aviation Psychology and Applied Human Factors, 2011, 1, 75-86.	0.3	2
39	Risk Perception and Risk-Taking Behavior of Construction Site Dumper Drivers. International Journal of Occupational Safety and Ergonomics, 2010, 16, 55-67.	1.1	86
40	Aviation as a system of systems: Preface to the special issue of human factors in aviation. Ergonomics, 2010, 53, 145-148.	1.1	40
41	The relationship between manual handling performance and recent flying experience in air transport pilots. Ergonomics, 2010, 53, 268-277.	1.1	36
42	Development of a bespoke human factors taxonomy for gliding accident analysis and its revelations about highly inexperienced UK glider pilots. Ergonomics, 2010, 53, 294-303.	1.1	14
43	Development of a bespoke human factors taxonomy for gliding accident analysis and its revelations about highly inexperienced UK glider pilots. Ergonomics, 2009, 52, 1009-1018.	1.1	3
44	Predicting pilot error: Testing a new methodology and a multi-methods and analysts approach. Applied Ergonomics, 2009, 40, 464-471.	1.7	84
45	The Differences of Aviation Human Factors between Individualism and Collectivism Culture. Lecture Notes in Computer Science, 2009, , 723-730.	1.0	3
46	The Application of Human Error Template (HET) for Redesigning Standard Operational Procedures in Aviation Operations. Lecture Notes in Computer Science, 2009, , 547-553.	1.0	2
47	A Design and Training Agenda for the Next Generation of Commercial Aircraft Flight Deck. Lecture Notes in Computer Science, 2009, , 529-536.	1.0	2
48	Distributed situation awareness in an Airborne Warning and Control System: application of novel ergonomics methodology. Cognition, Technology and Work, 2008, 10, 221-229.	1.7	48
49	Human factors integration in defence: preface. Cognition, Technology and Work, 2008, 10, 169-172.	1.7	3
50	Development of a generic activities model of command and control. Cognition, Technology and Work, 2008, 10, 209-220.	1.7	9
51	Routes to failure: Analysis of 41 civil aviation accidents from the Republic of China using the human factors analysis and classification system. Accident Analysis and Prevention, 2008, 40, 426-434.	3.0	120
52	The Evaluation of the Effect of a short Aeronautical Decision-Making Training Program for Military Pilots. The International Journal of Aviation Psychology, 2008, 18, 135-152.	0.7	16
53	Cockpit Design and Cross-Cultural Issues Underlying Failures in Crew Resource Management. Aviation, Space, and Environmental Medicine, 2008, 79, 537-538.	0.6	10
54	Combining Control Input with Flight Path Data to Evaluate Pilot Performance in Transport Aircraft. Aviation, Space, and Environmental Medicine, 2008, 79, 1061-1064.	0.6	10

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55	Crosswind Landings in General Aviation: A Modified Method of Reporting Wing Information to the Pilot. <i>The International Journal of Aviation Psychology</i> , 2007, 17, 353-370.	0.7	11
56	A human-centred design agenda for the development of single crew operated commercial aircraft. <i>Aircraft Engineering and Aerospace Technology</i> , 2007, 79, 518-526.	0.8	56
57	Driving automation: learning from aviation about design philosophies. <i>International Journal of Vehicle Design</i> , 2007, 45, 323.	0.1	87
58	Accident Rates for Novice Glider Pilots vs. Pilots with Experience. <i>Aviation, Space, and Environmental Medicine</i> , 2007, 78, 1155-1158.	0.6	2
59	Distributed situation awareness in dynamic systems: theoretical development and application of an ergonomics methodology. <i>Ergonomics</i> , 2006, 49, 1288-1311.	1.1	370
60	Predicting design induced pilot error using HET (human error template) – A new formal human error identification method for flight decks. <i>Aeronautical Journal</i> , 2006, 110, 107-115.	1.1	34
61	The influence of human factors on operational efficiency. <i>Aircraft Engineering and Aerospace Technology</i> , 2006, 78, 20-25.	0.8	24
62	Contributions of Industrial/Organizational Psychology to Safety in Commercial Aircraft. , 2006, , 177-219.		3
63	Ripples in a Pond: An Open System Model of the Evolution of Safety Culture. <i>International Journal of Occupational Safety and Ergonomics</i> , 2006, 12, 3-15.	1.1	13
64	Pilot error and its relationship with higher organizational levels: HFACS analysis of 523 accidents. <i>Aviation, Space, and Environmental Medicine</i> , 2006, 77, 1056-61.	0.6	42
65	Using SHERPA to predict design-induced error on the flight deck. <i>Aerospace Science and Technology</i> , 2005, 9, 525-532.	2.5	89
66	A Socio-Technical Systems Analysis of Increasing Operational Efficiency: Why Human Factors Solutions Developed without Reference to the Wider Context May Not Work. <i>Measurement and Control</i> , 2005, 38, 235-238.	0.9	0
67	The development of a multidimensional scale to evaluate motor vehicle dynamic qualities. <i>Ergonomics</i> , 2005, 48, 964-982.	1.1	11
68	Evaluating the transfer of technology between application domains: a critical evaluation of the human component in the system. <i>Technology in Society</i> , 2004, 26, 551-565.	4.8	26
69	The Human Factors of Fully Automatic Flight. <i>Measurement and Control</i> , 2003, 36, 184-187.	0.9	4
70	A Psychometric Approach to the Development of a Multidimensional Scale to Assess Aircraft Handling Qualities. <i>The International Journal of Aviation Psychology</i> , 2000, 10, 343-362.	0.7	5
71	Measurement of Pilot Opinion When Assessing Aircraft Handling Qualities. <i>Measurement and Control</i> , 2000, 33, 239-243.	0.9	1
72	A comparative survey of the utility of cross-cockpit linkages and autoflight systems' backfeed to the control inceptors of commercial aircraft. <i>Ergonomics</i> , 1998, 41, 1462-1477.	1.1	26

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73	Computer-Based Simulation as an Adjunct to Ab Initio Flight Training. The International Journal of Aviation Psychology, 1998, 8, 261-276.	0.7	45
74	Effects of Low Blood Alcohol Levels On Pilot's Prioritization of Tasks During a Radio Navigation Task. The International Journal of Aviation Psychology, 1994, 4, 349-358.	0.7	4
75	A psychophysiological approach to the assessment of work underload. Ergonomics, 1993, 36, 1035-1042.	1.1	27
76	The Effect of Low Blood Alcohol Levels on Pilot Performance in a Series of Simulated Approach and Landing Trials. The International Journal of Aviation Psychology, 1992, 2, 271-280.	0.7	7