

Patrick Waterson

List of Publications by Year in descending order

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112
papers

3,959
citations

147566

31
h-index

133063

59
g-index

119
all docs

119
docs citations

119
times ranked

2686
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing the reliability and validity of risk assessment methods in Human Factors and Ergonomics. Ergonomics, 2022, 65, 407-428.	1.1	16
2	“Over to you”™: using a STAMP control structure analysis to probe deeper into the control of UK road safety at a municipal level – the case of Cambridgeshire. Ergonomics, 2022, 65, 429-444.	1.1	7
3	Exploration of the fipronil in egg contamination incident in the Netherlands using the Functional Resonance Analysis Method. Food Control, 2022, 133, 108605.	2.8	9
4	Forty years of Organisational Design and Management (ODAM). Ergonomics, 2022, 65, 329-333.	1.1	3
5	Systems thinking-based risk assessment methods applied to sports performance: A comparison of STPA, EAST-BL, and Net-HARMS in the context of elite women's road cycling. Applied Ergonomics, 2021, 91, 103297.	1.7	16
6	Human factors and nuclear safety since 1970 – A critical review of the past, present and future. Safety Science, 2021, 133, 105021.	2.6	23
7	Complexity theory in accident causation: using AcciMap to identify the systems thinking tenets in 11 catastrophes. Ergonomics, 2021, 64, 821-838.	1.1	17
8	To err is system; a comparison of methodologies for the investigation of adverse outcomes in healthcare. Journal of Patient Safety and Risk Management, 2021, 26, 64-73.	0.4	6
9	Facilitators and barriers of care transitions - Comparing the perspectives of hospital and community healthcare staff. Applied Ergonomics, 2021, 93, 103339.	1.7	10
10	Improving accident analysis in construction – Development of a contributing factor classification framework and evaluation of its validity and reliability. Safety Science, 2021, 140, 105303.	2.6	26
11	Are accident analysis methods fit for purpose? Testing the criterion-referenced concurrent validity of AcciMap, STAMP-CAST and AcciNet. Safety Science, 2021, 144, 105454.	2.6	20
12	Promoting systemic incident analysis in healthcare – key challenges and ways forward. International Journal for Quality in Health Care, 2021, 33, .	0.9	1
13	Turning the page. Ergonomics, 2021, , 1-3.	1.1	1
14	Human factors and ergonomics systems-based tools for understanding and addressing global problems of the twenty-first century. Ergonomics, 2020, 63, 367-387.	1.1	40
15	Causation, levels of analysis and explanation in systems ergonomics – A Closer Look at the UK NHS Morecambe Bay investigation. Applied Ergonomics, 2020, 84, 103011.	1.7	8
16	Farewell from the editor. Policy and Practice in Health and Safety, 2020, 18, 65-66.	0.5	0
17	The big picture on accident causation: A review, synthesis and meta-analysis of AcciMap studies. Safety Science, 2020, 126, 104650.	2.6	63
18	The Accident Network (AcciNet): A new accident analysis method for describing the interaction between normal performance and failure. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1676-1680.	0.2	7

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19	Proactively identifying the risks to performance in elite sport systems: A novel application of the Networked Hazard Analysis and Risk Management System (Net-HARMS) in women's cycling. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1750-1754.	0.2	0
20	Impact of the "Contributing Factors in Construction Accidents" (ConCA) Model. Advances in Intelligent Systems and Computing, 2019, , 310-319.	0.5	4
21	Global food safety as a complex adaptive system: Key concepts and future prospects. Trends in Food Science and Technology, 2019, 91, 409-425.	7.8	56
22	Resilience in the blood transfusion process: Everyday and long-term adaptations to "normal" work. Safety Science, 2019, 120, 498-506.	2.6	19
23	"All theory is gray" but forever green is the tree of life. Policy and Practice in Health and Safety, 2019, 17, 95-97.	0.5	0
24	A hybrid human and organisational analysis method for railway accidents based on STAMP-HFACS and human information processing. Applied Ergonomics, 2019, 79, 122-142.	1.7	61
25	The ironies of occupational safety and health (OSH). Policy and Practice in Health and Safety, 2019, 17, 1-2.	0.5	1
26	What do applications of systems thinking accident analysis methods tell us about accident causation? A systematic review of applications between 1990 and 2018. Safety Science, 2019, 117, 164-183.	2.6	125
27	Autonomous vehicles and human factors/ergonomics "A challenge but not a threat. Ergonomics, 2019, 62, 509-511.	1.1	10
28	Editorial: The cybernetic return in Human Factors and Ergonomics. Applied Ergonomics, 2019, 79, 86-90.	1.7	6
29	Hospital Survey on Patient Safety Culture (HSPSC): a systematic review of the psychometric properties of 62 international studies. BMJ Open, 2019, 9, e026896.	0.8	50
30	Accident analysis in practice: A review of Human Factors Analysis and Classification System (HFACS) applications in the peer reviewed academic literature. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1849-1853.	0.2	19
31	The Cybernetic Return in Human Factors/Ergonomics (HFE). Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 894-898.	0.2	1
32	Four studies, two methods, one accident "An examination of the reliability and validity of Accimap and STAMP for accident analysis. Safety Science, 2019, 113, 310-317.	2.6	67
33	Applying HRO and resilience engineering to construction: Barriers and opportunities. Safety Science, 2019, 117, 523-533.	2.6	47
34	Revisiting the Sociotechnical Principles for System Design (Clegg, 2000). Advances in Intelligent Systems and Computing, 2019, , 366-374.	0.5	5
35	System Diagrams for Healthcare Incident Investigation: Ease of Understanding and Usefulness Perceived by Healthcare Workers. Advances in Intelligent Systems and Computing, 2019, , 437-440.	0.5	2
36	Understanding Resilience and Adaptation in the Blood Transfusion Process Using Employee Accounts of Problem Resolution. Advances in Intelligent Systems and Computing, 2019, , 331-338.	0.5	0

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37	The Way Forward for Human Factors/Ergonomics and Sustainability. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 616-625.	0.5	1
38	Maturity models and safety culture: A critical review. <i>Safety Science</i> , 2018, 105, 192-211.	2.6	105
39	Integrating systemic accident analysis into patient safety incident investigation practices. <i>Applied Ergonomics</i> , 2018, 72, 1-9.	1.7	41
40	State of Science: ergonomics and global issues. <i>Ergonomics</i> , 2018, 61, 197-213.	1.1	76
41	Factors influencing experience in crowds â€” The organiser perspective. <i>Applied Ergonomics</i> , 2018, 68, 18-27.	1.7	6
42	Weighing up the evidence. <i>Policy and Practice in Health and Safety</i> , 2018, 16, 155-157.	0.5	1
43	A tale of two safeties. <i>Policy and Practice in Health and Safety</i> , 2018, 16, 1-3.	0.5	0
44	Beyond ConCA: Rethinking causality and construction accidents. <i>Applied Ergonomics</i> , 2018, 73, 108-121.	1.7	32
45	A Comparison of Three Systemic Accident Analysis Methods Using 46 SPAD (Signals Passed at Danger) Incidents. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 1097-1108.	0.5	2
46	Shut the fridge door! HRM alignment, job redesign and energy performance. <i>Human Resource Management Journal</i> , 2017, 27, 382-402.	3.6	23
47	What should we publish in PPHS?. <i>Policy and Practice in Health and Safety</i> , 2017, 15, 1-3.	0.5	5
48	The Assessment of Food Safety Culture: An investigation of current challenges, barriers and future opportunities within the food industry. <i>Food Control</i> , 2017, 73, 1114-1123.	2.8	47
49	Factors influencing experience in crowds â€” The participant perspective. <i>Applied Ergonomics</i> , 2017, 59, 431-441.	1.7	29
50	A systemic analysis of South Korea Sewol ferry accident â€” Striking a balance between learning and accountability. <i>Applied Ergonomics</i> , 2017, 59, 504-516.	1.7	39
51	â€”Remixing Rasmussenâ€™: The evolution of Accimaps within systemic accident analysis. <i>Applied Ergonomics</i> , 2017, 59, 483-503.	1.7	96
52	That strange number â€”zeroâ€™. <i>Policy and Practice in Health and Safety</i> , 2017, 15, 85-87.	0.5	3
53	Patient Safety in Community Care. , 2017, , 1075-1090.		0
54	Health and safety in a changing world. <i>Policy and Practice in Health and Safety</i> , 2016, 14, 1-6.	0.5	1

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55	Global Perspectives on Human Factors & Ergonomics. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 385-388.	0.2	0
56	Bridging the gap between research, policy and practice in health and safety. Policy and Practice in Health and Safety, 2016, 14, 97-98.	0.5	8
57	Chapter 3 Ergonomics and Ergonomists Lessons for Human Factors and Ergonomics Practice from the Past and Present. , 2016, , 29-44.		0
58	Human factors in healthcare: welcome progress, but still scratching the surface. BMJ Quality and Safety, 2016, 25, 480-484.	1.8	58
59	â€œWhen Food Killsâ€™: A socio-technical systems analysis of the UK Pennington 1996 and 2005 E. coli O157 Outbreak reports. Safety Science, 2016, 86, 36-47.	2.6	32
60	This Changes Everything. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 871-875.	0.2	3
61	Interdisciplinary research for occupational safety and health knowledge. Policy and Practice in Health and Safety, 2016, 14, 22-33.	0.5	3
62	Occupational safety and health and smaller organisations: research challenges and opportunities. Policy and Practice in Health and Safety, 2016, 14, 34-49.	0.5	12
63	â€œAccident investigation in the wildâ€™ â€“ A small-scale, field-based evaluation of the STAMP method for accident analysis. Safety Science, 2016, 82, 129-143.	2.6	32
64	Defining the methodological challenges and opportunities for an effective science of sociotechnical systems and safety. Ergonomics, 2015, 58, 565-599.	1.1	123
65	A socio-technical approach to improving retail energy efficiency behaviours. Applied Ergonomics, 2015, 47, 324-335.	1.7	18
66	Macro and Micro Ergonomic Outcomes in Healthcare: Unraveling the Relationship Between Patient Handling Performance and Safety Climate. IIE Transactions on Occupational Ergonomics and Human Factors, 2015, 3, 58-71.	0.5	2
67	The Sociotechnical Challenge of Integrating Telehealth and Telecare into Health and Social Care for the Elderly. , 2015, , 1177-1189.		3
68	Macroergonomics in Healthcare. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1541-1545.	0.2	1
69	Macroergonomics and Sociotechnical Methods Current and Future Directions. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1536-1540.	0.2	4
70	Systems thinking, the Swiss Cheese Model and accident analysis: A comparative systemic analysis of the Grayrigg train derailment using the ATSB, AcciMap and STAMP models. Accident Analysis and Prevention, 2014, 68, 75-94.	3.0	236
71	The development of guidelines for the design and evaluation of warning signs for young children. Applied Ergonomics, 2014, 45, 1353-1361.	1.7	19
72	Health information technology and sociotechnical systems: A progress report on recent developments within the UK National Health Service (NHS). Applied Ergonomics, 2014, 45, 150-161.	1.7	74

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73	How organisational behaviour and attitudes can impact building energy use in the UK retail environment: a theoretical framework. <i>Architectural Engineering and Design Management</i> , 2014, 10, 164-179.	1.2	24
74	Fitness for purpose when there are many different purposes: Who are electronic patient records for?. <i>Health Informatics Journal</i> , 2014, 20, 189-198.	1.1	12
75	Crossing levels in systems ergonomics: A framework to support "mesoergonomic" inquiry. <i>Applied Ergonomics</i> , 2014, 45, 45-54.	1.7	116
76	Patient Safety in Community Care. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2014, , 198-213.	0.2	0
77	Systemic accident analysis: Examining the gap between research and practice. <i>Accident Analysis and Prevention</i> , 2013, 55, 154-164.	3.0	167
78	The implications of e-health system delivery strategies for integrated healthcare: Lessons from England. <i>International Journal of Medical Informatics</i> , 2013, 82, e96-e106.	1.6	35
79	Special issue on human factors and the implementation of health information technology (HIT): Comparing approaches across nations. <i>International Journal of Medical Informatics</i> , 2013, 82, 277-280.	1.6	19
80	Ergonomics and Sustainability. <i>Ergonomics</i> , 2013, 56, 343-347.	1.1	74
81	Multi-Level Ergonomics. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1104-1108.	0.2	2
82	Future Directions for Sociotechnical Systems and Safety. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1085-1087.	0.2	2
83	The Sociotechnical Challenge of Integrating Telehealth and Telecare into Health and Social Care for the Elderly. <i>International Journal of Sociotechnology and Knowledge Development</i> , 2013, 5, 14-26.	0.4	7
84	Bottom-up and middle-out approaches to electronic patient information systems: a focus on healthcare pathways. <i>Informatics in Primary Care</i> , 2013, 20, 51-56.	1.1	13
85	Crowd satisfaction at sporting events. , 2013, , 236-241.		0
86	Bridging the research practice gap in healthcare human factors and ergonomics. , 2013, , 285-286.		1
87	Macroergonomics in Healthcare: Principles, Progress, and Prospects. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2012, 56, 1293-1297.	0.2	1
88	The recent history of the IEA: an analysis of IEA Congress presentations since 1961. <i>Work</i> , 2012, 41, 5033-5036.	0.6	6
89	Using HIT to deliver integrated care for the frail elderly in the UK: current barriers and future challenges. <i>Work</i> , 2012, 41, 4490-4493.	0.6	12
90	Developing safety signs for children on board trains. <i>Applied Ergonomics</i> , 2012, 43, 254-265.	1.7	17

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91	Preparing the ground for the "paperless hospital": A case study of medical records management in a UK outpatient services department. <i>International Journal of Medical Informatics</i> , 2012, 81, 114-129.	1.6	23
92	A review of systemic accident analysis models. , 2012, , 364-365.		0
93	World War II and other historical influences on the formation of the Ergonomics Research Society. <i>Ergonomics</i> , 2011, 54, 1111-1129.	1.1	13
94	Exploring the social and organisational aspects of human factors integration: A framework and case study. <i>Safety Science</i> , 2010, 48, 482-490.	2.6	25
95	Infection outbreaks in acute hospitals: a systems approach. <i>Journal of Infection Prevention</i> , 2010, 11, 19-23.	0.5	4
96	"1966 and all that": Trends and developments in UK ergonomics during the 1960s. <i>Ergonomics</i> , 2009, 52, 1323-1341.	1.1	15
97	A systems ergonomics analysis of the Maidstone and Tunbridge Wells infection outbreaks. <i>Ergonomics</i> , 2009, 52, 1196-1205.	1.1	35
98	A critical review of the systems approach within patient safety research. <i>Ergonomics</i> , 2009, 52, 1185-1195.	1.1	112
99	Recurrent themes and developments in the history of the Ergonomics Society. <i>Ergonomics</i> , 2006, 49, 743-799.	1.1	41
100	Motivation in Online Communities. , 2006, , 334-337.		8
101	Software Process Modelling. , 2005, , 111-139.		1
102	Sociotechnical design of work systems. , 2005, , 769-791.		11
103	Improving courseware quality through life-cycle encompassing quality assurance. , 2004, , .		5
104	A Sociotechnical Method for Designing Work Systems. <i>Human Factors</i> , 2002, 44, 376-391.	2.1	49
105	Navigating the territory of job design. <i>Applied Ergonomics</i> , 2002, 33, 197-205.	1.7	26
106	Explaining Intranet use with the Technology Acceptance Model. <i>Journal of Information Technology</i> , 2001, 16, 237-249.	2.5	195
107	Change and innovation in modern manufacturing practices: An expert panel survey of U.K. companies. <i>Human Factors and Ergonomics in Manufacturing</i> , 2000, 10, 121-137.	1.4	15
108	Shopfloor innovation: Facilitating the suggestion and implementation of ideas. <i>Journal of Occupational and Organizational Psychology</i> , 2000, 73, 265-285.	2.6	766

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109	The use and effectiveness of modern manufacturing practices: A survey of UK industry. International Journal of Production Research, 1999, 37, 2271-2292.	4.9	75
110	A new taxonomy of modern manufacturing practices. International Journal of Operations and Production Management, 1997, 17, 1112-1130.	3.5	60
111	A critical assessment of task allocation methods and their applicability. Ergonomics, 1997, 40, 151-171.	1.1	48
112	Computer supported collaborative working: lessons from elsewhere. Journal of Information Technology, 1994, 9, 85-98.	2.5	12