Gemma J M Read

List of Publications by Year
in descending order

88 papers	2,296 citations	186209 28 h-index	254106 43 g-index
89 all docs	89 docs citations	89 times ranked	1271 citing authors

#	Article	IF	Citations
1	Methodological issues in systems Human Factors and Ergonomics: Perspectives on the research–practice gap, reliability and validity, and prediction. Human Factors and Ergonomics in Manufacturing, 2022, 32, 6-19.	1.4	24
2	Using cognitive work analysis to identify competencies for human factors and ergonomics practitioners. Ergonomics, 2022, 65, 348-361.	1.1	4
3	Sharing lessons learnt: Reflections on a novel approach to developing the contextual activity template. Human Factors and Ergonomics in Manufacturing, 2022, 32, 50-65.	1.4	0
4	A STAMP analysis of the staff safety management system in residential Aged Care. Safety Science, 2022, 146, 105563.	2.6	3
5	Using human factors and ergonomics methods to challenge the status quo: Designing for gender equitable research outcomes. Applied Ergonomics, 2022, 99, 103634.	1.7	7
6	Systems-thinking in action: Results from implementation and evaluation of the patient handling injuries review of systems Toolkit. Safety Science, 2021, 134, 105086.	2.6	6
7	Simplifying safety standards: Using work domain analysis to guide regulatory restructure. Safety Science, 2021, 138, 105096.	2.6	2
8	From interfaces to infrastructure: extending ecological interface design to re-design rail‑level crossings. Cognition, Technology and Work, 2021, 23, 3-21.	1.7	4
9	Ghost trains: Australian rail in the early stages of the global COVID‑19 pandemic. Human Factors and Ergonomics in Manufacturing, 2021, 31, 438-444.	1.4	3
10	Human Factors and Ergonomics and the management of existential threats: A work domain analysis of a COVID‑19 return from lockdown restrictions system. Human Factors and Ergonomics in Manufacturing, 2021, 31, 412-424.	1.4	9
11	Designing success: Applying Cognitive Work Analysis to optimise a para sport system. Applied Ergonomics, 2021, 93, 103369.	1.7	9
12	What factors influence risk at rail level crossings? A systematic review and synthesis of findings using systems thinking. Safety Science, 2021, 138, 105207.	2.6	33
13	Do hazardous manual handling task risk assessment methods align with systems thinking?. Safety Science, 2021, 140, 105316.	2.6	3
14	State of science: evolving perspectives on 'human error'. Ergonomics, 2021, 64, 1091-1114.	1.1	54
15	Evaluation of construct and criterion-referenced validity of a systems-thinking based near miss reporting form. Ergonomics, 2020, 63, 210-224.	1.1	11
16	A systems thinking perspective on the barriers to treatment access for people with eating disorders. International Journal of Eating Disorders, 2020, 53, 174-179.	2.1	7
17	Tertiary education in ergonomics and human factors: quo vadis?. Ergonomics, 2020, 63, 243-252.	1.1	9
18	Who is responsible for construction safety in Australia? A STAMP analysis. Safety Science, 2020, 132, 104984.	2.6	27

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19	Defining the attributes for specific playing positions in football match-play: A complex systems approach. Journal of Sports Sciences, 2020, 38, 1248-1258.	1.0	9
20	Closing the research-practice gap in healthcare: The development and usability evaluation of a patient handling incident investigation toolkit. Safety Science, 2020, 129, 104844.	2.6	8
21	Interaction-centred design: an end user evaluation of road intersection concepts developed using the cognitive work analysis design toolkit (CWA-DT). Ergonomics, 2020, 63, 1221-1239.	1.1	7
22	Who is to blame for crashes involving autonomous vehicles? Exploring blame attribution across the road transport system. Ergonomics, 2020, 63, 525-537.	1.1	36
23	Computational modelling and systems ergonomics: a system dynamics model of drink driving-related trauma prevention. Ergonomics, 2020, 63, 965-980.	1.1	16
24	The perils of perfect performance; considering the effects of introducing autonomous vehicles on rates of car vs cyclist conflict. Ergonomics, 2020, 63, 981-996.	1.1	18
25	Simulating the behaviour of complex systems: computational modelling in ergonomics. Ergonomics, 2020, 63, 931-937.	1.1	12
26	The Binary-Based Model (BBM) for Improved Human Factors Method Selection. Human Factors, 2020, 63, 001872082092687.	2.1	5
27	Situation Awareness in multi-agency emergency response: Models, methods and applications. International Journal of Disaster Risk Reduction, 2020, 48, 101634.	1.8	12
28	Applying AcciMap to test the common cause hypothesis using aviation near misses. Applied Ergonomics, 2020, 87, 103110.	1.7	9
29	Using Cognitive Work Analysis to Inform Agent-Based Modelling of Automated Driving. Springer Proceedings in Complexity, 2020, , 385-390.	0.2	1
30	Towards a complex systems approach in sports injury research: simulating running-related injury development with agent-based modelling. British Journal of Sports Medicine, 2019, 53, 560-569.	3.1	49
31	What went right? An analysis of the protective factors in aviation near misses. Ergonomics, 2019, 62, 192-203.	1.1	16
32	Musculoskeletal disorders in the workplace: Development of a systems thinking-based prototype classification scheme to better understand the risks. Safety Science, 2019, 120, 146-156.	2.6	13
33	End-user experiences with two incident and injury reporting systems designed for led outdoor activities - challenges for implementation of future data systems. Injury Epidemiology, 2019, 6, 39.	0.8	5
34	Have we reached the organisational ceiling? a review of applied accident causation models, methods and contributing factors in construction. Theoretical Issues in Ergonomics Science, 2019, 20, 533-555.	1.0	12
35	Complexity on the rails: A systems-based approach to understanding safety management in rail transport. Reliability Engineering and System Safety, 2019, 188, 352-365.	5.1	55
36	Accounting for memes in sociotechnical systems: extending the abstraction hierarchy to consider cognitive objects. Ergonomics, 2019, 62, 849-863.	1.1	5

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37	Using the abstraction hierarchy to identify how the purpose and structure of road transport systems contributes to road trauma. Transportation Research Interdisciplinary Perspectives, 2019, 3, 100067.	1.6	11
38	Many model thinking in systems ergonomics: a case study in road safety. Ergonomics, 2019, 62, 612-628.	1.1	36
39	Bad behaviour or societal failure? Perceptions of the factors contributing to drivers' engagement in the fatal five driving behaviours. Applied Ergonomics, 2019, 74, 162-171.	1.7	42
40	Applying systems ergonomics methods in sport: A systematic review. Applied Ergonomics, 2019, 80, 214-225.	1.7	19
41	Risky systems versus risky people: To what extent do risk assessment methods consider the systems approach to accident causation? A review of the literature. Safety Science, 2019, 119, 266-279.	2.6	54
42	Sociotechnical systems as a framework for regulatory system design and evaluation: Using Work Domain Analysis to examine a new regulatory system. Applied Ergonomics, 2019, 80, 272-280.	1.7	14
43	Walking the talk: Comparing pedestrian â€˜activity as imaginedâ€™ with â€˜activity as doneâ€™. Accident Analysis and Prevention, 2018, 113, 74-84.	3.0	11
44	Back to the future: What do accident causation models tell us about accident prediction?. Safety Science, 2018, 104, 99-109.	2.6	95
45	STAMP goes EAST: Integrating systems ergonomics methods for the analysis of railway level crossing safety management. Safety Science, 2018, 110, 31-46.	2.6	33
46	Radio Gaga? Intra-team communication of Australian Rules Football umpires â€“ effect of radio communication on content, structure and frequency. Ergonomics, 2018, 61, 313-328.	1.1	3
47	Identifying risks and emergent risks across sociotechnical systems: the NETworked hazard analysis and risk management system (NET-HARMS). Theoretical Issues in Ergonomics Science, 2018, 19, 456-482.	1.0	38
48	System thinking applied to near misses: a review of industry-wide near miss reporting systems. Theoretical Issues in Ergonomics Science, 2018, 19, 712-737.	1.0	26
49	A sociotechnical design toolkit for bridging the gap between systemsâ€based analyses and system design. Human Factors and Ergonomics in Manufacturing, 2018, 28, 327-341.	1.4	25
50	Moving beyond the organizational ceiling: Do construction accident investigations align with systems thinking?. Human Factors and Ergonomics in Manufacturing, 2018, 28, 297-308.	1.4	6
51	Fitting methods to paradigms: are ergonomics methods fit for systems thinking?. Ergonomics, 2017, 60, 194-205.	1.1	112
52	Rasmussen's legacy in the great outdoors: A new incident reporting and learning system for led outdoor activities. Applied Ergonomics, 2017, 59, 637-648.	1.7	54
53	Analysis of train derailment cause and outcome in Victoria, Australia, between 2007 and 2013: Implications for regulation. Journal of Transportation Safety and Security, 2017, 9, 45-63.	1.1	10
54	A knock to the system: A new sociotechnical systems approach to sport-related concussion. Journal of Sports Sciences, 2017, 35, 2232-2239.	1.0	19

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55	Closing Pandora's Box: adapting a systems ergonomics methodology for better understanding the ecological complexity underpinning the development and prevention of running-related injury. Theoretical Issues in Ergonomics Science, 2017, 18, 338-359.	1.0	24
56	Reforming the road freight transportation system using systems thinking: An investigation of Coronial inquests in Australia. Accident Analysis and Prevention, 2017, 101, 28-36.	3.0	49
57	Not as simple as it looks: led outdoor activities are complex sociotechnical systems. Theoretical Issues in Ergonomics Science, 2017, 18, 318-337.	1.0	14
58	From control to causation: Validating a 'complex systems model' of running-related injury development and prevention. Applied Ergonomics, 2017, 65, 345-354.	1.7	36
59	Analysis of In-Game Communication as an Indicator of Recognition Primed Decision Making in Elite Australian Rules Football Umpires. Journal of Cognitive Engineering and Decision Making, 2017, 11, 81-96.	0.9	11
60	Is it really good to talk? Testing the impact of providing concurrent verbal protocols on driving performance. Ergonomics, 2017, 60, 770-779.	1.1	13
61	What's in a game? A systems approach to enhancing performance analysis in football. PLoS ONE, 2017, 12, e0172565.	1.1	48
62	Designing System Reforms: Using a Systems Approach to Translate Incident Analyses into Prevention Strategies. Frontiers in Psychology, 2016, 7, 1974.	1.1	25
63	Using the decision ladder to understand road user decision making at actively controlled rail level crossings. Applied Ergonomics, 2016, 56, 1-10.	1.7	23
64	Who is in control of road safety? A STAMP control structure analysis of the road transport system in Queensland, Australia. Accident Analysis and Prevention, 2016, 96, 140-151.	3.0	78
65	Lost in translation: the validity of a systemic accident analysis method embedded in an incident reporting software tool. Theoretical Issues in Ergonomics Science, 2016, 17, 483-506.	1.0	11
66	Walking the line: Understanding pedestrian behaviour and risk at rail level crossings with cognitive work analysis. Applied Ergonomics, 2016, 53, 209-227.	1.7	36
67	When paradigms collide at the road rail interface: evaluation of a sociotechnical systems theory design toolkit for cognitive work analysis. Ergonomics, 2016, 59, 1135-1157.	1.1	13
68	Applying the prompt questions from the Cognitive Work Analysis Design Toolkit: a demonstration in rail level crossing design. Theoretical Issues in Ergonomics Science, 2016, 17, 354-375.	1.0	7
69	Play on or call a foul: testing and extending distributed situation awareness theory through sports officiating. Theoretical Issues in Ergonomics Science, 2016, 17, 80-103.	1.0	17
70	A Fine Line Between Pleasure and Pain: Applying a Systems Analysis to the kimberly Ultramarathon Fire. Procedia Manufacturing, 2015, 3, 1132-1139.	1.9	5
71	Responsibilities in the Prevention of Concussion in Community Rugby Union. Procedia Manufacturing, 2015, 3, 1173-1180.	1.9	12
72	Beyond the Crossing: A Cognitive Work Analysis of Rail Level Crossing Systems. Procedia Manufacturing, 2015, 3, 2921-2928.	1.9	5

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73	The Application of a Systems Thinking Design Toolkit to Improve Situation Awareness and Safety at Road Intersections. Procedia Manufacturing, 2015, 3, 2613-2620.	1.9	1
74	Looking Beyond People, Equipment and Environment: Is a Systems Theory Model of Accident Causation Required to Understand Injuries and Near Misses During Outdoor Activities?. Procedia Manufacturing, 2015, 3, 1125-1131.	1.9	6
75	The UPLOADS Project: Development of an Australian National Incident Dataset for Led Outdoor Activities. Wilderness and Environmental Medicine, 2015, 26, 574-576.	0.4	7
76	Cognitive work analysis and design: current practice and future practitioner requirements. Theoretical Issues in Ergonomics Science, 2015, 16, 154-173.	1.0	17
77	Do not blame the driver: A systems analysis of the causes of road freight crashes. Accident Analysis and Prevention, 2015, 76, 141-151.	3.0	110
78	Designing a ticket to ride with the Cognitive Work Analysis Design Toolkit. Ergonomics, 2015, 58, 1266-1286.	1.1	32
79	Designing sociotechnical systems with cognitive work analysis: putting theory back into practice. Ergonomics, 2015, 58, 822-851.	1.1	70
80	Bridging the Research-Practice Gap: Validity of a Software Tool Designed to Support Systemic Accident Analysis by Risk Managers. Lecture Notes in Computer Science, 2015, , 215-225.	1.0	1
81	What would you like? Identifying the required characteristics of an industry-wide incident reporting and learning system for the led outdoor activity sector. Journal of Outdoor and Environmental Education, 2014, 17, 2-15.	0.7	14
82	Injury causation in the great outdoors: A systems analysis of led outdoor activity injury incidents. Accident Analysis and Prevention, 2014, 63, 111-120.	3.0	68
83	Systems thinking applied to safety during manual handling tasks in the transport and storage industry. Accident Analysis and Prevention, 2014, 68, 181-191.	3.0	47
84	A systems approach to examining disaster response: Using Accimap to describe the factors influencing bushfire response. Safety Science, 2014, 70, 114-122.	2.6	59
85	Sounding the warning bells: The need for a systems approach to understanding behaviour at rail level crossings. Applied Ergonomics, 2013, 44, 764-774.	1.7	49
86	The crash at Kerang: Investigating systemic and psychological factors leading to unintentional non-compliance at rail level crossings. Accident Analysis and Prevention, 2013, 50, 1278-1288.	3.0	128
87	Is there a case for driver training? A review of the efficacy of pre- and post-licence driver training. Safety Science, 2013, 51, 127-137.	2.6	105
88	Associations between task, training and social environmental factors and error types involved in rail incidents and accidents. Accident Analysis and Prevention, 2012, 48, 416-422.	3.0	44