

Gemma J M Read

List of Publications by Year in descending order

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Version: 2024-02-01

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	The crash at Kerang: Investigating systemic and psychological factors leading to unintentional non-compliance at rail level crossings. <i>Accident Analysis and Prevention</i> , 2013, 50, 1278-1288.	3.0	128
2	Fitting methods to paradigms: are ergonomics methods fit for systems thinking?. <i>Ergonomics</i> , 2017, 60, 194-205.	1.1	112
3	Do not blame the driver: A systems analysis of the causes of road freight crashes. <i>Accident Analysis and Prevention</i> , 2015, 76, 141-151.	3.0	110
4	Is there a case for driver training? A review of the efficacy of pre- and post-licence driver training. <i>Safety Science</i> , 2013, 51, 127-137.	2.6	105
5	Back to the future: What do accident causation models tell us about accident prediction?. <i>Safety Science</i> , 2018, 104, 99-109.	2.6	95
6	Who is in control of road safety? A STAMP control structure analysis of the road transport system in Queensland, Australia. <i>Accident Analysis and Prevention</i> , 2016, 96, 140-151.	3.0	78
7	Designing sociotechnical systems with cognitive work analysis: putting theory back into practice. <i>Ergonomics</i> , 2015, 58, 822-851.	1.1	70
8	Injury causation in the great outdoors: A systems analysis of led outdoor activity injury incidents. <i>Accident Analysis and Prevention</i> , 2014, 63, 111-120.	3.0	68
9	A systems approach to examining disaster response: Using Accimap to describe the factors influencing bushfire response. <i>Safety Science</i> , 2014, 70, 114-122.	2.6	59
10	Complexity on the rails: A systems-based approach to understanding safety management in rail transport. <i>Reliability Engineering and System Safety</i> , 2019, 188, 352-365.	5.1	55
11	Rasmussen's legacy in the great outdoors: A new incident reporting and learning system for led outdoor activities. <i>Applied Ergonomics</i> , 2017, 59, 637-648.	1.7	54
12	Risky systems versus risky people: To what extent do risk assessment methods consider the systems approach to accident causation? A review of the literature. <i>Safety Science</i> , 2019, 119, 266-279.	2.6	54
13	State of science: evolving perspectives on "human error"™. <i>Ergonomics</i> , 2021, 64, 1091-1114.	1.1	54
14	Sounding the warning bells: The need for a systems approach to understanding behaviour at rail level crossings. <i>Applied Ergonomics</i> , 2013, 44, 764-774.	1.7	49
15	Reforming the road freight transportation system using systems thinking: An investigation of Coronial inquests in Australia. <i>Accident Analysis and Prevention</i> , 2017, 101, 28-36.	3.0	49
16	Towards a complex systems approach in sports injury research: simulating running-related injury development with agent-based modelling. <i>British Journal of Sports Medicine</i> , 2019, 53, 560-569.	3.1	49
17	What's™ in a game? A systems approach to enhancing performance analysis in football. <i>PLoS ONE</i> , 2017, 12, e0172565.	1.1	48
18	Systems thinking applied to safety during manual handling tasks in the transport and storage industry. <i>Accident Analysis and Prevention</i> , 2014, 68, 181-191.	3.0	47

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19	Associations between task, training and social environmental factors and error types involved in rail incidents and accidents. <i>Accident Analysis and Prevention</i> , 2012, 48, 416-422.	3.0	44
20	Bad behaviour or societal failure? Perceptions of the factors contributing to drivers' engagement in the fatal five driving behaviours. <i>Applied Ergonomics</i> , 2019, 74, 162-171.	1.7	42
21	Identifying risks and emergent risks across sociotechnical systems: the NETWORKED hazard analysis and risk management system (NET-HARMS). <i>Theoretical Issues in Ergonomics Science</i> , 2018, 19, 456-482.	1.0	38
22	Walking the line: Understanding pedestrian behaviour and risk at rail level crossings with cognitive work analysis. <i>Applied Ergonomics</i> , 2016, 53, 209-227.	1.7	36
23	From control to causation: Validating a "complex systems model"™ of running-related injury development and prevention. <i>Applied Ergonomics</i> , 2017, 65, 345-354.	1.7	36
24	Many model thinking in systems ergonomics: a case study in road safety. <i>Ergonomics</i> , 2019, 62, 612-628.	1.1	36
25	Who is to blame for crashes involving autonomous vehicles? Exploring blame attribution across the road transport system. <i>Ergonomics</i> , 2020, 63, 525-537.	1.1	36
26	STAMP goes EAST: Integrating systems ergonomics methods for the analysis of railway level crossing safety management. <i>Safety Science</i> , 2018, 110, 31-46.	2.6	33
27	What factors influence risk at rail level crossings? A systematic review and synthesis of findings using systems thinking. <i>Safety Science</i> , 2021, 138, 105207.	2.6	33
28	Designing a ticket to ride with the Cognitive Work Analysis Design Toolkit. <i>Ergonomics</i> , 2015, 58, 1266-1286.	1.1	32
29	Who is responsible for construction safety in Australia? A STAMP analysis. <i>Safety Science</i> , 2020, 132, 104984.	2.6	27
30	System thinking applied to near misses: a review of industry-wide near miss reporting systems. <i>Theoretical Issues in Ergonomics Science</i> , 2018, 19, 712-737.	1.0	26
31	Designing System Reforms: Using a Systems Approach to Translate Incident Analyses into Prevention Strategies. <i>Frontiers in Psychology</i> , 2016, 7, 1974.	1.1	25
32	A sociotechnical design toolkit for bridging the gap between systems-based analyses and system design. <i>Human Factors and Ergonomics in Manufacturing</i> , 2018, 28, 327-341.	1.4	25
33	Closing Pandora's Box: adapting a systems ergonomics methodology for better understanding the ecological complexity underpinning the development and prevention of running-related injury. <i>Theoretical Issues in Ergonomics Science</i> , 2017, 18, 338-359.	1.0	24
34	Methodological issues in systems Human Factors and Ergonomics: Perspectives on the research-practice gap, reliability and validity, and prediction. <i>Human Factors and Ergonomics in Manufacturing</i> , 2022, 32, 6-19.	1.4	24
35	Using the decision ladder to understand road user decision making at actively controlled rail level crossings. <i>Applied Ergonomics</i> , 2016, 56, 1-10.	1.7	23
36	A knock to the system: A new sociotechnical systems approach to sport-related concussion. <i>Journal of Sports Sciences</i> , 2017, 35, 2232-2239.	1.0	19

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37	Applying systems ergonomics methods in sport: A systematic review. <i>Applied Ergonomics</i> , 2019, 80, 214-225.	1.7	19
38	The perils of perfect performance; considering the effects of introducing autonomous vehicles on rates of car vs cyclist conflict. <i>Ergonomics</i> , 2020, 63, 981-996.	1.1	18
39	Cognitive work analysis and design: current practice and future practitioner requirements. <i>Theoretical Issues in Ergonomics Science</i> , 2015, 16, 154-173.	1.0	17
40	Play on or call a foul: testing and extending distributed situation awareness theory through sports officiating. <i>Theoretical Issues in Ergonomics Science</i> , 2016, 17, 80-103.	1.0	17
41	What went right? An analysis of the protective factors in aviation near misses. <i>Ergonomics</i> , 2019, 62, 192-203.	1.1	16
42	Computational modelling and systems ergonomics: a system dynamics model of drink driving-related trauma prevention. <i>Ergonomics</i> , 2020, 63, 965-980.	1.1	16
43	What would you like? Identifying the required characteristics of an industry-wide incident reporting and learning system for the led outdoor activity sector. <i>Journal of Outdoor and Environmental Education</i> , 2014, 17, 2-15.	0.7	14
44	Not as simple as it looks: led outdoor activities are complex sociotechnical systems. <i>Theoretical Issues in Ergonomics Science</i> , 2017, 18, 318-337.	1.0	14
45	Sociotechnical systems as a framework for regulatory system design and evaluation: Using Work Domain Analysis to examine a new regulatory system. <i>Applied Ergonomics</i> , 2019, 80, 272-280.	1.7	14
46	When paradigms collide at the road rail interface: evaluation of a sociotechnical systems theory design toolkit for cognitive work analysis. <i>Ergonomics</i> , 2016, 59, 1135-1157.	1.1	13
47	Is it really good to talk? Testing the impact of providing concurrent verbal protocols on driving performance. <i>Ergonomics</i> , 2017, 60, 770-779.	1.1	13
48	Musculoskeletal disorders in the workplace: Development of a systems thinking-based prototype classification scheme to better understand the risks. <i>Safety Science</i> , 2019, 120, 146-156.	2.6	13
49	Responsibilities in the Prevention of Concussion in Community Rugby Union. <i>Procedia Manufacturing</i> , 2015, 3, 1173-1180.	1.9	12
50	Have we reached the organisational ceiling? a review of applied accident causation models, methods and contributing factors in construction. <i>Theoretical Issues in Ergonomics Science</i> , 2019, 20, 533-555.	1.0	12
51	Simulating the behaviour of complex systems: computational modelling in ergonomics. <i>Ergonomics</i> , 2020, 63, 931-937.	1.1	12
52	Situation Awareness in multi-agency emergency response: Models, methods and applications. <i>International Journal of Disaster Risk Reduction</i> , 2020, 48, 101634.	1.8	12
53	Lost in translation: the validity of a systemic accident analysis method embedded in an incident reporting software tool. <i>Theoretical Issues in Ergonomics Science</i> , 2016, 17, 483-506.	1.0	11
54	Analysis of In-Game Communication as an Indicator of Recognition Primed Decision Making in Elite Australian Rules Football Umpires. <i>Journal of Cognitive Engineering and Decision Making</i> , 2017, 11, 81-96.	0.9	11

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55	Walking the talk: Comparing pedestrian "activity as imagined"™ with "activity as done"™. <i>Accident Analysis and Prevention</i> , 2018, 113, 74-84.	3.0	11
56	Using the abstraction hierarchy to identify how the purpose and structure of road transport systems contributes to road trauma. <i>Transportation Research Interdisciplinary Perspectives</i> , 2019, 3, 100067.	1.6	11
57	Evaluation of construct and criterion-referenced validity of a systems-thinking based near miss reporting form. <i>Ergonomics</i> , 2020, 63, 210-224.	1.1	11
58	Analysis of train derailment cause and outcome in Victoria, Australia, between 2007 and 2013: Implications for regulation. <i>Journal of Transportation Safety and Security</i> , 2017, 9, 45-63.	1.1	10
59	Tertiary education in ergonomics and human factors: quo vadis?. <i>Ergonomics</i> , 2020, 63, 243-252.	1.1	9
60	Defining the attributes for specific playing positions in football match-play: A complex systems approach. <i>Journal of Sports Sciences</i> , 2020, 38, 1248-1258.	1.0	9
61	Applying AcciMap to test the common cause hypothesis using aviation near misses. <i>Applied Ergonomics</i> , 2020, 87, 103110.	1.7	9
62	Human Factors and Ergonomics and the management of existential threats: A work domain analysis of a COVID-19 return from lockdown restrictions system. <i>Human Factors and Ergonomics in Manufacturing</i> , 2021, 31, 412-424.	1.4	9
63	Designing success: Applying Cognitive Work Analysis to optimise a para sport system. <i>Applied Ergonomics</i> , 2021, 93, 103369.	1.7	9
64	Closing the research-practice gap in healthcare: The development and usability evaluation of a patient handling incident investigation toolkit. <i>Safety Science</i> , 2020, 129, 104844.	2.6	8
65	The UPLOADS Project: Development of an Australian National Incident Dataset for Led Outdoor Activities. <i>Wilderness and Environmental Medicine</i> , 2015, 26, 574-576.	0.4	7
66	Applying the prompt questions from the Cognitive Work Analysis Design Toolkit: a demonstration in rail level crossing design. <i>Theoretical Issues in Ergonomics Science</i> , 2016, 17, 354-375.	1.0	7
67	A systems thinking perspective on the barriers to treatment access for people with eating disorders. <i>International Journal of Eating Disorders</i> , 2020, 53, 174-179.	2.1	7
68	Interaction-centred design: an end user evaluation of road intersection concepts developed using the cognitive work analysis design toolkit (CWA-DT). <i>Ergonomics</i> , 2020, 63, 1221-1239.	1.1	7
69	Using human factors and ergonomics methods to challenge the status quo: Designing for gender equitable research outcomes. <i>Applied Ergonomics</i> , 2022, 99, 103634.	1.7	7
70	Looking Beyond People, Equipment and Environment: Is a Systems Theory Model of Accident Causation Required to Understand Injuries and Near Misses During Outdoor Activities?. <i>Procedia Manufacturing</i> , 2015, 3, 1125-1131.	1.9	6
71	Moving beyond the organizational ceiling: Do construction accident investigations align with systems thinking?. <i>Human Factors and Ergonomics in Manufacturing</i> , 2018, 28, 297-308.	1.4	6
72	Systems-thinking in action: Results from implementation and evaluation of the patient handling injuries review of systems Toolkit. <i>Safety Science</i> , 2021, 134, 105086.	2.6	6

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73	A Fine Line Between Pleasure and Pain: Applying a Systems Analysis to the kimberly Ultramarathon Fire. <i>Procedia Manufacturing</i> , 2015, 3, 1132-1139.	1.9	5
74	Beyond the Crossing: A Cognitive Work Analysis of Rail Level Crossing Systems. <i>Procedia Manufacturing</i> , 2015, 3, 2921-2928.	1.9	5
75	End-user experiences with two incident and injury reporting systems designed for led outdoor activities - challenges for implementation of future data systems. <i>Injury Epidemiology</i> , 2019, 6, 39.	0.8	5
76	Accounting for memes in sociotechnical systems: extending the abstraction hierarchy to consider cognitive objects. <i>Ergonomics</i> , 2019, 62, 849-863.	1.1	5
77	The Binary-Based Model (BBM) for Improved Human Factors Method Selection. <i>Human Factors</i> , 2020, 63, 001872082092687.	2.1	5
78	From interfaces to infrastructure: extending ecological interface design to re-design rail level crossings. <i>Cognition, Technology and Work</i> , 2021, 23, 3-21.	1.7	4
79	Using cognitive work analysis to identify competencies for human factors and ergonomics practitioners. <i>Ergonomics</i> , 2022, 65, 348-361.	1.1	4
80	Radio Gaga? Intra-team communication of Australian Rules Football umpires – effect of radio communication on content, structure and frequency. <i>Ergonomics</i> , 2018, 61, 313-328.	1.1	3
81	Ghost trains: Australian rail in the early stages of the global COVID-19 pandemic. <i>Human Factors and Ergonomics in Manufacturing</i> , 2021, 31, 438-444.	1.4	3
82	Do hazardous manual handling task risk assessment methods align with systems thinking?. <i>Safety Science</i> , 2021, 140, 105316.	2.6	3
83	A STAMP analysis of the staff safety management system in residential Aged Care. <i>Safety Science</i> , 2022, 146, 105563.	2.6	3
84	Simplifying safety standards: Using work domain analysis to guide regulatory restructure. <i>Safety Science</i> , 2021, 138, 105096.	2.6	2
85	The Application of a Systems Thinking Design Toolkit to Improve Situation Awareness and Safety at Road Intersections. <i>Procedia Manufacturing</i> , 2015, 3, 2613-2620.	1.9	1
86	Bridging the Research-Practice Gap: Validity of a Software Tool Designed to Support Systemic Accident Analysis by Risk Managers. <i>Lecture Notes in Computer Science</i> , 2015, , 215-225.	1.0	1
87	Using Cognitive Work Analysis to Inform Agent-Based Modelling of Automated Driving. <i>Springer Proceedings in Complexity</i> , 2020, , 385-390.	0.2	1
88	Sharing lessons learnt: Reflections on a novel approach to developing the contextual activity template. <i>Human Factors and Ergonomics in Manufacturing</i> , 2022, 32, 50-65.	1.4	0