Pascale Carayon

List of Publications by Citations

246 papers	8,104 citations	48 h-index	83 g-index
254 ext. papers	9,425 ext. citations	3.1 avg, IF	6.48 L-index

#	Paper	IF	Citations
246	SEIPS 2.0: a human factors framework for studying and improving the work of healthcare professionals and patients. *Ergonomics*, **2013**, 56, 1669-86	2.9	548
245	A strategy for human factors/ergonomics: developing the discipline and profession. *Ergonomics*, **2012**, 55, 377-95	2.9	462
244	Human factors systems approach to healthcare quality and patient safety. *Applied Ergonomics*, **2014** , 45, 14-25	4.2	370
243	Human factors of complex sociotechnical systems. *Applied Ergonomics*, **2006**, 37, 525-35	4.2	367
242	Work organization and ergonomics. *Applied Ergonomics*, **2000**, 31, 649-62	4.2	257
241	A human factors engineering conceptual framework of nursing workload and patient safety in intensive care units. *Intensive and Critical Care Nursing*, **2005**, 21, 284-301	3.1	203
240	Work organization, job stress, and work-related musculoskeletal disorders. *Human Factors*, **1999**, 41, 644-63	3.8	190
239	MEASURING WORKLOAD OF ICU NURSES WITH A QUESTIONNAIRE SURVEY: THE NASA TASK LOAD INDEX (TLX). *IIE Transactions on Healthcare Systems Engineering*, **2011**, 1, 131-143		156
238	Advancing a sociotechnical systems approach to workplace safety--developing the conceptual framework. *Ergonomics*, **2015**, 58, 548-64	2.9	155
237	Employee stress and health complaints in jobs with and without electronic performance monitoring. *Applied Ergonomics*, **1992**, 23, 17-27	4.2	142
236	Advancing the science of patient safety. *Annals of Internal Medicine*, **2011**, 154, 693-6	8	134
235	Theory and practice for the implementation of 'in-house', continuous improvement participatory ergonomic programs. *Applied Ergonomics*, **1998**, 29, 461-72	4.2	113
234	The Balance Theory and the Work System Model Twenty Years Later. *International Journal of Human-Computer Interaction*, **2009**, 25, 313-327	3.6	108
233	Human and organizational factors in computer and information security: Pathways to vulnerabilities. *Computers and Security*, **2009**, 28, 509-520	4.9	103
232	Human factors in patient safety as an innovation. *Applied Ergonomics*, **2010**, 41, 657-65	4.2	102
231	Impact of performance obstacles on intensive care nurses' workload, perceived quality and safety of care, and quality of working life. *Health Services Research*, **2009**, 44, 422-43	3.4	101
230	Human factors and ergonomics as a patient safety practice. *BMJ Quality and Safety*, **2014**, 23, 196-205	5.4	99

229	Using failure mode and effects analysis to plan implementation of smart i.v. pump technology. *American Journal of Health-System Pharmacy*, **2006**, 63, 1528-38	2.2	96
228	Performance obstacles of intensive care nurses. *Nursing Research*, **2007**, 56, 185-94	1.9	95
227	Impact of electronic health record technology on the work and workflow of physicians in the intensive care unit. *International Journal of Medical Informatics*, **2015**, 84, 578-94	5.3	91
226	Barriers and benefits of quality management in the construction industry: An empirical study. *Total Quality Management and Business Excellence*, **2010**, 21, 953-969	2.7	89
225	New technology, automation, and work organization: Stress problems and improved technology implementation strategies. *International Journal of Human Factors in Manufacturing*, **1995**, 5, 99-116		88
224	Job characteristics as mediators in SES-health relationships. *Social Science and Medicine*, **2004**, 59, 1367-78	3.1	87
223	From tasks to processes: the case for changing health information technology to improve health care. *Health Affairs*, **2009**, 28, 467-77	7	86
222	Questionnaire Survey Nonresponse: A Comparison of Postal Mail and Internet Surveys. *International Journal of Human-Computer Interaction*, **2009**, 25, 348-373	3.6	86
221	Effect of Electronic Performance Monitoring on Job Design and Worker Stress: Review of the Literature and Conceptual Model. *Human Factors*, **1993**, 35, 385-395	3.8	83
220	Factors contributing to an increase in duplicate medication order errors after CPOE implementation. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18, 774-82	8.6	81
219	EHR safety: the way forward to safe and effective systems. *Journal of the American Medical Informatics Association: JAMIA*, **2008**, 15, 272-7	8.6	80
218	Evaluation of Nurse Interaction With Bar Code Medication Administration Technology in the Work Environment. *Journal of Patient Safety*, **2007**, 3, 34-42	1.9	78
217	SEIPS 3.0: Human-centered design of the patient journey for patient safety. *Applied Ergonomics*, **2020**, 84, 103033	4.2	77
216	Characterising the complexity of medication safety using a human factors approach: an observational study in two intensive care units. *BMJ Quality and Safety*, **2014**, 23, 56-65	5.4	75
215	Exploring performance obstacles of intensive care nurses. *Applied Ergonomics*, **2009**, 40, 509-18	4.2	74
214	ICU nurses' acceptance of electronic health records. *Journal of the American Medical Informatics Association: JAMIA*, **2011**, 18, 812-9	8.6	74
213	Employee strain and job satisfaction related to an implementation of quality in a public service organization: A longitudinal study. *Work and Stress*, **2003**, 17, 52-72	6.1	74
212	A systematic review of human factors and ergonomics (HFE)-based healthcare system redesign for quality of care and patient safety. *Ergonomics*, **2015**, 58, 33-49	2.9	71

211	Human errors and violations in computer and information security: the viewpoint of network administrators and security specialists. *Applied Ergonomics*, **2007**, 38, 143-54	4.2	66
210	Socio-Technical Systems Analysis in Health Care: A Research Agenda. *IIE Transactions on Healthcare Systems Engineering*, **2011**, 1, 145-160		65
209	Patient safety - the role of human factors and systems engineering. *Studies in Health Technology and Informatics*, **2010**, 153, 23-46	0.5	65
208	State of science: human factors and ergonomics in healthcare. *Ergonomics*, **2013**, 56, 1491-503	2.9	61
207	Nurses' acceptance of Smart IV pump technology. *International Journal of Medical Informatics*, **2010** , 79, 401-11	5.3	61
206	A systematic review of mixed methods research on human factors and ergonomics in health care. *Applied Ergonomics*, **2015**, 51, 291-321	4.2	57
205	The effect of safety initiatives on safety performance: a longitudinal study. *Applied Ergonomics*, **2005**, 36, 461-9	4.2	52
204	A longitudinal test of Karasek's Job Strain model among office workers. *Work and Stress*, **1993**, 7, 299-314	6.1	52
203	The next generation of macroergonomics: integrating safety climate. *Accident Analysis and Prevention*, **2014**, 68, 16-24	6.1	51
202	Macroergonomics in Healthcare Quality and Patient Safety. *Reviews of Human Factors and Ergonomics*, **2013**, 8, 4-54		51
201	Quality and Safety Management in Construction. *Total Quality Management and Business Excellence*, **2006**, 17, 1171-1212	2.7	51
200	A Family-Centered Rounds Checklist, Family Engagement, and Patient Safety: A Randomized Trial. *Pediatrics*, **2017**, 139,	7.4	49
199	Physician assistants and nurse practitioners perform effective roles on teams caring for Medicare patients with diabetes. *Health Affairs*, **2013**, 32, 1942-8	7	49
198	Relationship between job control, work pressure and strain: Studies in the USA and in The Netherlands. *Work and Stress*, **1999**, 13, 32-48	6.1	48
197	Workload and patient safety among critical care nurses. *Critical Care Nursing Clinics of North America*, **2007**, 19, 121-9	1.5	45
196	Quality of working life and turnover intention in information technology work. *Human Factors and Ergonomics in Manufacturing*, **2008**, 18, 409-423	1.4	42
195	Human Factors and Usability for Health Information Technology: Old and New Challenges. *Yearbook of Medical Informatics*, **2019**, 28, 71-77	4	41
194	Data collection challenges in community settings: insights from two field studies of patients with chronic disease. *Quality of Life Research*, **2015**, 24, 1043-55	3.7	41

193	Implementation of an electronic health records system in a small clinic: the viewpoint of clinic staff. *Behaviour and Information Technology*, **2009**, 28, 5-20	2.4	40
192	Human factors and ergonomics in home care: Current concerns and future considerations for health information technology. *Work*, **2009**, 33, 201-9	1.6	40
191	SEIPS-based process modeling in primary care. *Applied Ergonomics*, **2017**, 60, 240-254	4.2	39
190	Sociotechnical systems approach to healthcare quality and patient safety. *Work*, **2012**, 41 Suppl 1, 3850-4	1.6	37
189	Sociotechnical issues in the implementation of imaging technology. *Behaviour and Information Technology*, **2000**, 19, 247-262	2.4	37
188	Understanding the current state of infection prevention to prevent Clostridium difficile infection: a human factors and systems engineering approach. *American Journal of Infection Control*, **2015**, 43, 241-7	3.8	36
187	Motivation and job satisfaction of Tele-ICU nurses. *Journal of Critical Care*, **2013**, 28, 315.e13-21	4	36
186	The work of adult and pediatric intensive care unit nurses. *Nursing Research*, **2013**, 62, 50-8	1.9	36
185	Customer orientation among employees in public administration: a transnational, longitudinal study. *Applied Ergonomics*, **2007**, 38, 307-15	4.2	36
184	Patient safety in outpatient surgery: the viewpoint of the healthcare providers. *Ergonomics*, **2006**, 49, 470-85	2.9	36
183	Human Factors and Ergonomics in Health Care **2012**, 1574-1595		33
182	Changes in end-user satisfaction with Computerized Provider Order Entry over time among nurses and providers in intensive care units. *Journal of the American Medical Informatics Association: JAMIA*, **2013**, 20, 252-9	8.6	33
181	Do job characteristics mediate the relationship between SES and health? Evidence from sibling models. *Social Science Research*, **2007**, 36, 222-253	2.1	33
180	Sociotechnical approaches to workplace safety: Research needs and opportunities. *Ergonomics*, **2015**, 58, 650-8	2.9	32
179	Evaluating causes and consequences of turnover intention among IT workers: the development of a questionnaire survey. *Behaviour and Information Technology*, **2006**, 25, 381-397	2.4	31
178	Bringing a Systems Approach to Health. *NAM Perspectives*, **2013**, 3,	2.8	31
177	Application of participatory ergonomics to the redesign of the family-centred rounds process. *Ergonomics*, **2015**, 58, 1726-44	2.9	30
176	Involving intensive care unit nurses in a proactive risk assessment of the medication management process. *Joint Commission Journal on Quality and Patient Safety*, **2010**, 36, 376-84	1.4	30

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174	Righting wrong site surgery. *Joint Commission Journal on Quality and Safety*, **2004**, 30, 405-10		29
173	Macroergonomics and total quality management: how to improve quality of working life?. *International Journal of Occupational Safety and Ergonomics*, **1999**, 5, 303-34	2.1	29
172	Challenges And Opportunities For Improving Patient Safety Through Human Factors And Systems Engineering. *Health Affairs*, **2018**, 37, 1862-1869	7	29
171	Using Human Factors and Systems Engineering to Evaluate Readmission after Complex Surgery. *Journal of the American College of Surgeons*, **2015**, 221, 810-20	4.4	28
170	Strategies for improving family engagement during family-centered rounds. *Journal of Hospital Medicine*, **2013**, 8, 201-7	2.7	28
169	Division of primary care services between physicians, physician assistants, and nurse practitioners for older patients with diabetes. *Medical Care Research and Review*, **2013**, 70, 531-41	3.7	27
168	Measurement of CPOE end-user satisfaction among ICU physicians and nurses. *Applied Clinical Informatics*, **2010**, 1, 268-285	3.1	27
167	The impact of secure messaging on workflow in primary care: Results of a multiple-case, multiple-method study. *International Journal of Medical Informatics*, **2017**, 100, 63-76	5.3	26
166	Quantifying the Qualitative with Epistemic Network Analysis: A Human Factors Case Study of Task-Allocation Communication in a Primary Care Team. *IISE Transactions on Healthcare Systems Engineering*, **2018**, 8, 72-82	1.3	26
165	Parent perceptions of children's hospital safety climate. *BMJ Quality and Safety*, **2013**, 22, 664-71	5.4	26
164	Care transitions in the outpatient surgery preoperative process: facilitators and obstacles to information flow and their consequences. *Cognition, Technology and Work*, **2007**, 9, 219-231	2.9	26
163	Effects of electronic performance monitoring on job design and worker stress: Results of two studies. *International Journal of Human-Computer Interaction*, **1994**, 6, 177-190	3.6	26
162	Healthcare Team Perceptions of a Portal for Parents of Hospitalized Children Before and After Implementation. *Applied Clinical Informatics*, **2017**, 8, 265-278	3.1	25
161	Stressful jobs and non-stressful jobs: a cluster analysis of office jobs. *Ergonomics*, **1994**, 37, 311-23	2.9	25
160	Scope and Influence of Electronic Health Record-Integrated Clinical Decision Support in the Emergency Department: A Systematic Review. *Annals of Emergency Medicine*, **2019**, 74, 285-296	2.1	25
159	Human Factors in Organizational Design and Management **2012**, 534-552		24
158	Examining the relationship between job design and worker strain over time in a sample of office workers. *Ergonomics*, **1995**, 38, 1199-1211	2.9	24

157	Multi-stakeholder collaboration in the redesign of family-centered rounds process. *Applied Ergonomics*, **2015**, 46 Pt A, 115-23	4.2	21
156	Job design and job stress in office workers. *Ergonomics*, **1993**, 36, 463-77	2.9	21
155	Development and Psychometric Qualities of the SEIPS Survey to Evaluate CPOE/EHR Implementation in ICUs. *International Journal of Healthcare Information Systems and Informatics*, **2011**, 6, 51-69	1.1	20
154	Human Factors and Ergonomics in Medicine **2006**, 1517-1537		20
153	Effect of job demands and social support on worker stress: a study of VDT users. *Behaviour and Information Technology*, **1995**, 14, 32-40	2.4	20
152	Complexity of the pediatric trauma care process: Implications for multi-level awareness. *Cognition, Technology and Work*, **2019**, 21, 397-416	2.9	20
151	Challenges to care coordination posed by the use of multiple health IT applications. *Work*, **2012**, 41 Suppl 1, 4468-73	1.6	19
150	Improving the System to Support Clinician Well-being and Provide Better Patient Care. *JAMA - Journal of the American Medical Association*, **2019**, 322, 2165-2166	27.4	18
149	Impact of electronic order management on the timeliness of antibiotic administration in critical care patients. *International Journal of Medical Informatics*, **2012**, 81, 782-91	5.3	18
148	FMEA team performance in health care: A qualitative analysis of team member perceptions. *Journal of Patient Safety*, **2009**, 5, 102-8	1.9	18
147	Systems ergonomics: Looking into the future Editorial for special issue on systems ergonomics/human factors. *Applied Ergonomics*, **2014**, 45, 3-4	4.2	17
146	Technology barriers and strategies in coordinating care for chronically ill patients. *Applied Ergonomics*, **2019**, 78, 240-247	4.2	16
145	Work system factors influencing physicians' screen sharing behaviors in primary care encounters. *International Journal of Medical Informatics*, **2015**, 84, 791-8	5.3	16
144	Translating evidence into practice using a systems engineering framework for infection prevention. *Infection Control and Hospital Epidemiology*, **2014**, 35, 1176-82	2	16
143	Virtual collaboration, satisfaction, and trust between nurses in the tele-ICU and ICUs: Results of a multilevel analysis. *Journal of Critical Care*, **2017**, 37, 224-229	4	16
142	Human Factors and Ergonomics in Health Care and Patient Safety. *Human Factors and Ergonomics*, **2011**, 3-16		16
141	Temporal issues of Quality Working Life and Stress in Human Computer Interaction. *International Journal of Human-Computer Interaction*, **1997**, 9, 325-342	3.6	16
140	Approaches and challenges to optimising primary care teams' electronic health record usage. *Journal of Innovation in Health Informatics*, **2014**, 21, 142-51		16

139	EHR-related medication errors in two ICUs. *Journal of Healthcare Risk Management: the Journal of the American Society for Healthcare Risk Management*, **2017**, 36, 6-15	0.9	15
138	Improving Patient-Centered Transitional Care after Complex Abdominal Surgery. *Journal of the American College of Surgeons*, **2017**, 225, 259-265	4.4	15
137	Work system barriers and facilitators in inpatient care transitions of pediatric trauma patients. *Applied Ergonomics*, **2020**, 85, 103059	4.2	15
136	A simple framework for complex system improvement. *American Journal of Medical Quality*, **2015**, 30, 223-31	1.1	14
135	A qualitative, interprofessional analysis of barriers to and facilitators of implementation of the Department of Veterans Affairs' Clostridium difficile prevention bundle using a human factors engineering approach. *American Journal of Infection Control*, **2018**, 46, 276-284	3.8	14
134	Stimulated recall methodology for assessing work system barriers and facilitators in family-centered rounds in a pediatric hospital. *Applied Ergonomics*, **2014**, 45, 1540-6	4.2	14
133	Using a Systems Engineering Initiative for Patient Safety to Evaluate a Hospital-wide Daily Chlorhexidine Bathing Intervention. *Journal of Nursing Care Quality*, **2015**, 30, 337-44	1.7	13
132	Assessing the sustainability of daily chlorhexidine bathing in the intensive care unit of a Veteran's Hospital by examining nurses' perspectives and experiences. *BMC Infectious Diseases*, **2017**, 17, 75	4	12
131	Family-initiated dialogue about medications during family-centered rounds. *Pediatrics*, **2015**, 135, 94-101	7.4	12
130	The effects of Computerized Provider Order Entry implementation on communication in Intensive Care Units. *International Journal of Medical Informatics*, **2013**, 82, e107-17	5.3	12
129	Human and organizational factors in security screening and inspection systems: conceptual framework and key research needs. *Cognition, Technology and Work*, **2009**, 11, 29-41	2.9	12
128	Computer and Information Security Culture: Findings from two Studies. *Proceedings of the Human Factors and Ergonomics Society*, **2005**, 49, 1483-1488	0.4	12
127	Health Care 4.0: A Vision for Smart and Connected Health Care. *IISE Transactions on Healthcare Systems Engineering*, **2021**, 11, 171-180	1.3	12
126	Human Factors of Health Information Technology - Challenges and Opportunities. *International Journal of Human-Computer Interaction*, **2017**, 33, 255-257	3.6	11
125	Management of ventilator-associated pneumonia in intensive care units: a mixed methods study assessing barriers and facilitators to guideline adherence. *BMC Infectious Diseases*, **2016**, 16, 349	4	11
124	Tubing misload allows free flow event with smart intravenous infusion pump. *Anesthesiology*, **2006**, 105, 434-5	4.3	11
123	Human factors and ergonomics systems approach to the COVID-19 healthcare crisis. *International Journal for Quality in Health Care*, **2021**, 33, 1-3	1.9	11
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119	SEIPS 101 and seven simple SEIPS tools. *BMJ Quality and Safety*, **2021**, 30, 901-910	5.4	10
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117	Continuous implementation of information technology: The development of an interview guide and a cross-national comparison of Austrian and American organizations. *Human Factors and Ergonomics in Manufacturing*, **1999**, 9, 165-183	1.4	9
116	Perceived Impact of Care Managers' Work on Patient and Clinician Outcomes. *European Journal for Person Centered Healthcare*, **2015**, 3, 158-167	1.3	9
115	A longitudinal study of job design and worker strain: Preliminary results.19-32		9
114	Application of human factors to improve usability of clinical decision support for diagnostic decision-making: a scenario-based simulation study. *BMJ Quality and Safety*, **2020**, 29, 329-340	5.4	9
113	Obstacles Experienced by Care Managers in Managing Information for the Care of Chronically Ill Patients. *International Journal of Human-Computer Interaction*, **2017**, 33, 313-321	3.6	8
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111	Occupational Macroergonomics: Principles, Scope, Value, and Methods. *IIE Transactions on Occupational Ergonomics and Human Factors*, **2015**, 3, 1-8		8
110	Moving toward a sociotechnical systems approach to continuous health information technology design: the path forward for improving electronic health record usability and reducing clinician burnout. *Journal of the American Medical Informatics Association: JAMIA*, **2021**, 28, 1026-1028	8.6	8
109	Care coordination for chronically ill patients: Identifying coordination activities and interdependencies. *Applied Ergonomics*, **2019**, 80, 9-16	4.2	7
108	How Do Residents Spend Their Time in the Intensive Care Unit?. *American Journal of the Medical Sciences*, **2015**, 350, 403-8	2.2	7
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106	Community Ergonomics. *Human Factors and Ergonomics*, **2002**, 289-310		7
105	Designing a technology enhanced practice for home nursing care of patients with congestive heart failure **2005**, 116-20	0.7	7
104	Implementation of a Clostridioides difficile prevention bundle: Understanding common, unique, and conflicting work system barriers and facilitators for subprocess design. *Infection Control and Hospital Epidemiology*, **2019**, 40, 880-888	2	6

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102	Communication and systems factors might still underlie surgical complications. *Surgery*, **2009**, 145, 686-7	3.6	6
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100	Continuous Technology Implementation and Sustainability of Sociotechnical Change: A Case Study of Advanced Intravenous Infusion Pump Technology Implementation in a Hospital. *Contributions To Management Science*, **2008**, 139-151	0.4	6
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97	Barriers and facilitators to Clostridium difficile infection prevention: A nursing perspective. *American Journal of Infection Control*, **2017**, 45, 1363-1368	3.8	5
96	Role network measures to assess healthcare team adaptation to complex situations: the case of venous thromboembolism prophylaxis. *Ergonomics*, **2019**, 62, 864-879	2.9	5
95	Work System Barriers and Strategies Reported by Tele-Intensive Care Unit Nurses: A Case Study. *Critical Care Nursing Clinics of North America*, **2018**, 30, 259-271	1.5	5
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91	System Factors Influencing the Use of a Family-Centered Rounds Checklist. *Pediatric Quality & Safety*, **2019**, 4, e196	1	5
90	Workflow integration analysis of a human factors-based clinical decision support in the emergency department. *Applied Ergonomics*, **2021**, 97, 103498	4.2	5
89	A Collaborative Usability Evaluation (CUE) Model for Health IT Design and Implementation. *International Journal of Human-Computer Interaction*, **2017**, 33, 287-297	3.6	4
88	Community Ergonomics and Globalization: A Conceptual Model of Social Awareness **2009**, 57-66		4
87	Managing Different Perspectives in the Redesign of Family-Centered Rounds in a Pediatric Hospital. *Proceedings of the Human Factors and Ergonomics Society*, **2012**, 56, 1733-1737	0.4	4
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80	The Design of PE Dx, a CDS to Support Pulmonary Embolism Diagnosis in the ED. *Studies in Health Technology and Informatics*, **2019**, 265, 134-140	0.5	4
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75	Improving Quality and Safety through Human Factors Collaborations with Healthcare: The System Engineering Initiative for Patient Safety. *Proceedings of the Human Factors and Ergonomics Society*, **2014**, 58, 728-732	0.4	3
74	Medication Error Propagation In Intensive Care Units. *Proceedings of the Human Factors and Ergonomics Society*, **2015**, 59, 518-521	0.4	3
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72	A survey study of nursing contributions to medication management with special attention to health information technology. *IIE Transactions on Healthcare Systems Engineering*, **2012**, 2, 202-210		3
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70	The Development and Application of an Instrument for Measurement of Quality Institutionalization. *Proceedings of the Human Factors and Ergonomics Society*, **2000**, 44, 253-256	0.4	3
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68	Care transition of trauma patients: Processes with articulation work before and after handoff. *Applied Ergonomics*, **2022**, 98, 103606	4.2	3

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66	Physical distancing for care delivery in health care settings: Considerations and consequences. *American Journal of Infection Control*, **2021**, 49, 1085-1088	3.8	3
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