Michael A Rosen

List of Publications by Year
in descending order

99 papers	5,493 citations	117625 34 h-index	85541 71 g-index
103 all docs	103 docs citations	103 times ranked	4681 citing authors

#	Article	IF	Citations
1	On Teams, Teamwork, and Team Performance: Discoveries and Developments. Human Factors, 2008, 50, 540-547.	3.5	758
2	Teamwork in healthcare: Key discoveries enabling safer, high-quality care.. American Psychologist, 2018, 73, 433-450.	4.2	591
3	Team-training in healthcare: a narrative synthesis of the literature. BMJ Quality and Safety, 2014, 23, 359-372.	3.7	409
4	Expertise-Based Intuition and Decision Making in Organizations. Journal of Management, 2010, 36, 941-973.	9.3	313
5	Does Teamwork Improve Performance in the Operating Room? A Multilevel Evaluation. Joint Commission Journal on Quality and Patient Safety, 2010, 36, 133-142.	0.7	231
6	Measuring Team Performance in Simulation-Based Training: Adopting Best Practices for Healthcare. Simulation in Healthcare, 2008, 3, 33-41.	1.2	173
7	Toward an Understanding of Macrocognition in Teams: Predicting Processes in Complex Collaborative Contexts. Human Factors, 2010, 52, 203-224.	3.5	168
8	In Situ Simulation in Continuing Education for the Health Care Professions: A Systematic Review. Journal of Continuing Education in the Health Professions, 2012, 32, 243-254.	1.3	163
9	Reducing Medical Errors and Adverse Events. Annual Review of Medicine, 2012, 63, 447-463.	12.2	154
10	The Anatomy of Health Care Team Training and the State of Practice: A Critical Review. Academic Medicine, 2010, 85, 1746-1760.	1.6	146
11	Performance Measurement in Simulation-Based Training. Simulation and Gaming, 2009, 40, 328-376.	1.9	131
12	Building high reliability teams: progress and some reflections on teamwork training. BMJ Quality and Safety, 2013, 22, 369-373.	3.7	124
13	Promoting Teamwork: An Eventâ€based Approach to Simulationâ€based Teamwork Training for Emergency Medicine Residents. Academic Emergency Medicine, 2008, 15, 1190-1198.	1.8	114
14	Managing adaptive performance in teams: Guiding principles and behavioral markers for measurement. Human Resource Management Review, 2011, 21, 107-122.	4.8	107
15	A systematic review of teamwork in the intensive care unit: What do we know about teamwork, team tasks, and improvement strategies?. Journal of Critical Care, 2014, 29, 908-914.	2.2	101
16	Simulation Experience Enhances Physical Therapist Student Confidence in Managing a Patient in the Critical Care Environment. Physical Therapy, 2013, 93, 216-228.	2.4	93
17	Task Types and Team-Level Attributes. Human Resource Development Review, 2012, 11, 97-129.	2.9	88
18	Barriers to and Facilitators of Implementing Enhanced Recovery Pathways Using an Implementation Framework. JAMA Surgery, 2018, 153, 270.	4.3	81

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19	A Measurement Tool for Simulation-Based Training in Emergency Medicine: The Simulation Module for Assessment of Resident Targeted Event Responses (SMARTER) Approach. Simulation in Healthcare, 2008, 3, 170-179.	1.2	74
20	Improved Cardiopulmonary Resuscitation Performance With CODE ACES ² : A Resuscitation Quality Bundle. Journal of the American Heart Association, 2018, 7, e009860.	3.7	74
21	Tools for evaluating team performance in simulation-based training. Journal of Emergencies, Trauma and Shock, 2010, 3, 353.	0.7	72
22	Improving Safety and Quality of Care With Enhanced Teamwork Through Operating Room Briefings. JAMA Surgery, 2014, 149, 863.	4.3	70
23	Simulation-based team training at the sharp end: A qualitative study of simulation-based team training design, implementation, and evaluation in healthcare. Journal of Emergencies, Trauma and Shock, 2010, 3, 369.	0.7	66
24	Integrating the science of team training: Guidelines for continuing education *. Journal of Continuing Education in the Health Professions, 2010, 30, 208-220.	1.3	58
25	Creating new realities in healthcare: the status of simulation-based training as a patient safety improvement strategy. BMJ Quality and Safety, 2013, 22, 449-452.	3.7	58
26	A systematic review of behavioural marker systems in healthcare: what do we know about their attributes, validity and application?. BMJ Quality and Safety, 2014, 23, 1031-1039.	3.7	57
27	The Making of a Dream Team: When Expert Teams Do Best. , 2006, , 439-454.		55
28	An integrative framework for sensor-based measurement of teamwork in healthcare. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 11-18.	4.4	52
29	Demonstration-Based Training: A Review of Instructional Features. Human Factors, 2010, 52, 596-609.	3.5	51
30	On the Front Lines of Patient Safety: Implementation and Evaluation of Team Training in Iraq. Joint Commission Journal on Quality and Patient Safety, 2011, 37, 350-AP1.	0.7	51
31	Advancing the Use of Checklists for Evaluating Performance in Health Care. Academic Medicine, 2014, 89, 963-965.	1.6	47
32	Using Instructional Features to Enhance Demonstration-Based Training in Management Education. Academy of Management Learning and Education, 2013, 12, 219-243.	2.5	44
33	Integration of in-hospital cardiac arrest contextual curriculum into a basic life support course: a randomized, controlled simulation study. Resuscitation, 2017, 114, 127-132.	3.0	41
34	Markers for enhancing team cognition in complex environments: the power of team performance diagnosis. Aviation, Space, and Environmental Medicine, 2007, 78, B77-85.	0.5	40
35	Human factorsâ€“based risk analysis to improve the safety of doffing enhanced personal protective equipment. Infection Control and Hospital Epidemiology, 2019, 40, 178-186.	1.8	38
36	Measuring Teamwork and Conflict among Emergency Medical Technician Personnel. Prehospital Emergency Care, 2012, 16, 98-108.	1.8	37

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37	Building Team and Technical Competency for Obstetric Emergencies: The Mobile Obstetric Emergencies Simulator (MOES) System. Simulation in Healthcare, 2009, 4, 166-173.	1.2	30
38	Team Physiological Dynamics: A Critical Review. Human Factors, 2021, 63, 32-65.	3.5	30
39	Towards high-reliability organising in healthcare: a strategy for building organisational capacity. BMJ Quality and Safety, 2017, 26, 663-670.	3.7	26
40	Dedicated Operating Room Teams and Clinical Outcomes in an Enhanced Recovery after Surgery Pathway for Colorectal Surgery. Journal of the American College of Surgeons, 2018, 226, 267-276.	0.5	26
41	Sensor-based measurement of critical care nursing workload: Unobtrusive measures of nursing activity complement traditional task and patient level indicators of workload to predict perceived exertion. PLoS ONE, 2018, 13, e0204819.	2.5	25
42	Can Teamwork Promote Safety in Organizations?. Annual Review of Organizational Psychology and Organizational Behavior, 2020, 7, 283-313.	9.9	25
43	Reducing Cognitive Skill Decay and Diagnostic Error: Theory-Based Practices for Continuing Education in Health Care. Journal of Continuing Education in the Health Professions, 2012, 32, 269-278.	1.3	23
44	Improving teamwork and safety: Toward a practical systems approach, a commentary on Deneckere etÂal.. Social Science and Medicine, 2012, 75, 986-989.	3.8	22
45	Epinephrine Auto-Injector Versus Drawn Up Epinephrine for Anaphylaxis Management: A Scoping Review*. Pediatric Critical Care Medicine, 2017, 18, 764-769.	0.5	19
46	Leveraging Health Care Simulation Technology for Human Factors Research. Human Factors, 2016, 58, 1082-1095.	3.5	18
47	Measuring Briefing and Checklist Compliance in Surgery. American Journal of Medical Quality, 2014, 29, 491-498.	0.5	16
48	Improving guideline compliance and healthcare safety using human factors engineering: The case of Ebola. Journal of Patient Safety and Risk Management, 2018, 23, 93-95.	0.6	16
49	Engaging staff to improve quality and safety in an austere medical environment: a caseâ€“control study in two Sierra Leonean hospitals. International Journal for Quality in Health Care, 2015, 27, 320-327.	1.8	15
50	Distributed Team Performance: A Multi-Level Review of Distribution, Demography, and Decision Making. Research in Multi-Level Issues, 0, , 11-58.	0.5	13
51	Cognitive Aids Do Not Prompt Initiation of Cardiopulmonary Resuscitation in Simulated Pediatric Cardiopulmonary Arrests. Simulation in Healthcare, 2018, 13, 41-46.	1.2	13
52	Failure mode and effects analysis applied to the maintenance and repair of anesthetic equipment in an austere medical environment. International Journal for Quality in Health Care, 2014, 26, 404-410.	1.8	12
53	Improving Health Care Quality and Patient Safety Through Peer-to-Peer Assessment: Demonstration Project in Two Academic Medical Centers. American Journal of Medical Quality, 2017, 32, 472-479.	0.5	12
54	Towards expanding the acute care team: Learning how to involve families in care processes.. Families, Systems and Health, 2015, 33, 242-249.	0.6	11

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55	CLABSI Conversations. Quality Management in Health Care, 2016, 25, 67-78.	0.8	11
56	Reducing preventable harm: observations on minimizing bloodstream infections. Journal of Health Organization and Management, 2017, 31, 2-9.	1.3	11
57	Human Factors and Ergonomics in Healthcare: Industry Demands and a Path Forward. Human Factors, 2022, 64, 250-258.	3.5	11
58	Conceptualizing Interprofessional Teams as Multi-Team Systemsâ€"Implications for Assessment and Training. Teaching and Learning in Medicine, 2015, 27, 366-369.	2.1	10
59	How Experts Make Decisions: Beyond the JDM Paradigm. Industrial and Organizational Psychology, 2010, 3, 438-442.	0.6	9
60	Use of a Real-Time Locating System to Assess Internal Medicine Resident Location and Movement in the Hospital. JAMA Network Open, 2022, 5, e2215885.	5.9	9
61	Simulation in the Executive Suite. Simulation in Healthcare, 2015, 10, 372-377.	1.2	8
62	Use of a Real-Time Location System to Understand Resident Location in an Academic Medical Center. Journal of Graduate Medical Education, 2019, 11, 324-327.	1.3	8
63	Team Cognition and External Representations: A Framework and Propositions for Supporting Collaborative Problem Solving. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1295-1299.	0.3	7
64	Comparatively Evaluating Medication Preparation Sequences for Treatment of Hyperkalemia in Pediatric Cardiac Arrest. Pediatric Critical Care Medicine, 2015, 16, e224-e230.	0.5	7
65	Evaluation of a Measurement System to Assess ICU Team Performance*. Critical Care Medicine, 2018, 46, 1898-1905.	0.9	7
66	Reducing Three Infections Across Cardiac Surgery Programs: A Multisite Cross-Unit Collaboration. American Journal of Medical Quality, 2020, 35, 37-45.	0.5	7
67	The Evolution and Maturation of Teams in Organizations: Convergent Trends in the New Dynamic Science of Teams. Frontiers in Psychology, 2020, 11, 2128.	2.1	7
68	Integrating Teamwork into the â€œDNAâ€•of Graduate Medical Education: Principles for Simulation-Based Training. Journal of Graduate Medical Education, 2009, 1, 243-244.	1.3	6
69	Medical Simulation as a Vital Adjunct to Identifying Clinical Life-Threatening Gaps in Austere Environments. Journal of the National Medical Association, 2018, 110, 117-123.	0.8	6
70	Beyond Coding Interaction. , 0, , 142-162.		6
71	Team Leadership and Cancer End-of-Life Decision Making. Journal of Oncology Practice, 2016, 12, 1135-1140.	2.5	5
72	Leveraging a team-centric approach to diagnosing multiteam system functioning: The role of intrateam state profiles. Human Resource Management Review, 2018, 28, 361-377.	4.8	5

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73	Using Simulation to Design Choreography for aÂCardiopulmonary Arrest Response. Clinical Simulation in Nursing, 2015, 11, 489-493.	3.0	4
74	Development of a Behavioral Marker System to Assess Intensive Care Unit Team Performance. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 991-995.	0.3	4
75	A comparison of two structured taxonomic strategies in capturing adverse events in U.S. hospitals. Health Services Research, 2019, 54, 613-622.	2.0	4
76	Automation and interoperability of a nurse-managed insulin infusion protocol as a model to improve safety and efficiency in the delivery of high-alert medications. Journal of Patient Safety and Risk Management, 2020, 25, 5-14.	0.6	4
77	Processes in Complex Team Problem-solving: Parsing and Defining the Theoretical Problem Space. , 2017, , 143-163.		4
78	Team Medss: A Tool for Designing Medical Simulation Scenarios. Ergonomics in Design, 2010, 18, 11-77.	0.7	3
79	Survey of pediatric trainee knowledge: dose, concentration, and route of epinephrine. Annals of Allergy, Asthma and Immunology, 2017, 118, 516-518.	1.0	3
80	Does team orientation matter? A stateâ€ofâ€theâ€science review, metaâ€analysis, and multilevel framework. Journal of Organizational Behavior, 2023, 44, 355-375.	4.7	3
81	Conceptualizing Cognition at Multiple Levels in Support of Training Team Cognitive Readiness. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 448-452.	0.3	2
82	Human Factors Evaluation of the Universal Anaesthesia Machine: Assessing Equipment with High-Fidelity Simulation Prior to Deployment in a Resource-Constrained Environment. Journal of the National Medical Association, 2019, 111, 490-499.	0.8	2
83	Using a society database to evaluate a patient safety collaborative: the Cardiovascular Surgical Translational Study. Journal of Comparative Effectiveness Research, 2019, 8, 21-32.	1.4	2
84	Managing creativity and compliance in the pursuit of patient safety. BMC Health Services Research, 2019, 19, 116.	2.2	2
85	Virtual teamwork in healthcare delivery: I-O psychology in telehealth research and practice. Industrial and Organizational Psychology, 2021, 14, 235-238.	0.6	2
86	Demographic and technological factors influencing virtual seizure clinic visit satisfaction before and during the Covid-19 pandemic in rural Hawaii. Epilepsy and Behavior, 2021, 124, 108374.	1.7	2
87	SMARTER-Team: Adapting Event-based Tools for Simulation-based Training in Healthcare. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 793-797.	0.3	1
88	Decision Making in Naturalistic Environments. , 2012, , .		1
89	Smart agent system for insulin infusion protocol management: a simulation-based human factors evaluation study. BMJ Quality and Safety, 2021, 30, bmjqs-2020-011420.	3.7	1
90	What a pandemic reveals about learning in health care organizations. Industrial and Organizational Psychology, 2021, 14, 126-129.	0.6	1

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91	Preface: Special Issue on Human Factors in Healthcare. Human Factors, 2022, 64, 5-5.	3.5	1
92	Eye Movements and Reliance on External Memory Aids Predict Team Success in a Military Planning Task. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 274-278.	0.3	0
93	Board 355 - Research Abstract Training Non-Physician Anesthetists Using Medical Simulation In Freetown, Sierra Leone (Submission #1140). Simulation in Healthcare, 2013, 8, 349-350.	1.2	0
94	815. Critical Care Medicine, 2014, 42, A1556.	0.9	0
95	Interdisciplinary Teamwork Training. Comprehensive Healthcare Simulation, 2021, , 57-65.	0.2	0
96	Fidelity and Transfer of Training in Medical Simulation. Simulation in Healthcare, 2006, 1, 134.	1.2	0
97	Creativity for the rest of us:Examining status and creativity in a successful safety climate. Proceedings - Academy of Management, 2014, 2014, 10729.	0.1	0
98	Microenvironmental Influences on Team Performance in Cancer Care. Energy Balance and Cancer, 2019, , 399-414.	0.2	0
99	1306: CONTRIBUTORS TO PERCEIVED WORKLOAD STRAIN IN THE PEDIATRIC ICU. Critical Care Medicine, 2022, 50, 654-654.	0.9	0