

# Steven J Yule

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

4,972  
citations

126907

33  
h-index

91884

69  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crew Autonomy During Simulated Medical Event Management on Long Duration Space Exploration Missions. <i>Human Factors</i> , 2023, 65, 1221-1234.	3.5	5
2	Nontechnical skills training in cardiothoracic surgery: A pilot study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 2155-2162.e4.	0.8	6
3	The role of teamwork and non-technical skills for improving emergency surgical outcomes: an international perspective. <i>Patient Safety in Surgery</i> , 2022, 16, 8.	2.3	18
4	Managing a team in the operating room: The science of teamwork and non-technical skills for surgeons. <i>Current Problems in Surgery</i> , 2022, 59, 101172.	1.1	6
5	Optimizing the Implementation of Surgical Coaching Through Feedback From Practicing Surgeons. <i>JAMA Surgery</i> , 2021, 156, 42-49.	4.3	10
6	Gathering Validity Evidence to Adapt the Non-technical Skills for Surgeons (NOTSS) Assessment Tool to the United States Context. <i>Journal of Surgical Education</i> , 2021, 78, 955-966.	2.5	7
7	Surgical Coaching for Operative Performance Enhancement (SCOPE): skill ratings and impact on surgeons'™ practice. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 3829-3839.	2.4	23
8	Response Regarding: "How to Manage Head Injury With COVID-19 Pneumonitis on Mars? Rare but High Impact Complex Medical Emergencies in Space". <i>Journal of Surgical Research</i> , 2021, 258, 460.	1.6	0
9	Analysis of Mirrored Psychophysiological Change of Cardiac Surgery Team Members During Open Surgery. <i>Journal of Surgical Education</i> , 2021, 78, 622-629.	2.5	9
10	Identifying Naturalistic Coaching Behavior Among Practicing Surgeons in the Operating Room. <i>Annals of Surgery</i> , 2021, 273, 181-186.	4.2	12
11	Novel Assessments of Technical and Nontechnical Cardiac Surgery Quality: Protocol for a Mixed Methods Study. <i>JMIR Research Protocols</i> , 2021, 10, e22536.	1.0	3
12	Surgical Sabermetrics: Applying Athletics Data Science to Enhance Operative Performance. <i>Annals of Surgery Open</i> , 2021, 2, e054.	1.4	9
13	Evaluating Nontechnical Skills in US Emergency Departments Using Simulation. <i>Simulation in Healthcare</i> , 2021, Publish Ahead of Print, .	1.2	0
14	Measuring and Improving Emotional Intelligence in Surgery. <i>Annals of Surgery</i> , 2021, Publish Ahead of Print, .	4.2	7
15	Non-technical skills for surgical educators. <i>Scottish Medical Journal</i> , 2021, 66, 122-123.	1.3	1
16	A tool to assess nontechnical skills of perfusionists in the cardiac operating room. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.8	5
17	Non-technical skill assessments across levels of US surgical training. <i>Surgery</i> , 2021, 170, 713-718.	1.9	10
18	Understanding Barriers and Facilitators to Behavior Change After Implementation of an Interdisciplinary Surgical Non-Technical Skills Training Program in Rwanda. <i>Journal of Surgical Education</i> , 2021, 78, 1618-1628.	2.5	12

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19	The impact of team familiarity on intra and postoperative cardiac surgical outcomes. <i>Surgery</i> , 2021, 170, 1031-1038.	1.9	5
20	“Rise of the Machines”™: Human Factors and training for robotic-assisted surgery. <i>BMJ Surgery, Interventions, and Health Technologies</i> , 2021, 3, e000100.	0.9	9
21	Analysis of Dynamic Changes in Cognitive Workload During Cardiac Surgery Perfusionists’s Interactions With the Cardiopulmonary Bypass Pump. <i>Human Factors</i> , 2021, 63, 757-771.	3.5	2
22	Medical Event Management for Future Deep Space Exploration Missions to Mars. <i>Journal of Surgical Research</i> , 2020, 246, 305-314.	1.6	19
23	Commentary: Another Dutch treat. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1893-1894.	0.8	0
24	Nontechnical Skill Assessment of the Collective Surgical Team Using the Non-Technical Skills for Surgeons (NOTSS) System. <i>Annals of Surgery</i> , 2020, 272, 1158-1163.	4.2	25
25	The effects of physical distancing on population mobility during the COVID-19 pandemic in the UK. <i>The Lancet Digital Health</i> , 2020, 2, e385-e387.	12.3	47
26	Nontechnical Skill Countermeasures for Pandemic Response. <i>Annals of Surgery</i> , 2020, 272, e213-e215.	4.2	15
27	Development of an Observation-Based Rating Tool to Assess Trauma Team Leadership Skills. <i>Journal of the American College of Surgeons</i> , 2020, 231, e232-e233.	0.5	0
28	Episodes of strain experienced in the operating room: impact of the type of surgery, the profession and the phase of the operation. <i>BMC Surgery</i> , 2020, 20, 318.	1.3	7
29	Predictors and triggers of incivility within healthcare teams: a systematic review of the literature. <i>BMJ Open</i> , 2020, 10, e035471.	1.9	44
30	Performance Coaching for Practicing Surgeons Enhancing Clinical Performance, Well-Being, and Trainee Experience. <i>Journal of Surgical Education</i> , 2020, 77, 495-498.	2.5	12
31	Surgery Task Load Index in Cardiac Surgery: Measuring Cognitive Load Among Teams. <i>Surgical Innovation</i> , 2020, 27, 602-607.	0.9	18
32	The eNOTSS Platform for Surgeons’s Nontechnical Skills Performance Improvement. <i>JAMA Surgery</i> , 2020, 155, 438.	4.3	10
33	Assessment of the Non-Technical Skills for Surgeons (NOTSS) framework in the USA. <i>British Journal of Surgery</i> , 2020, 107, 1137-1144.	0.3	22
34	Evaluating Non-Technical Skills in Surgery. <i>Success in Academic Surgery</i> , 2020, , 125-135.	0.1	5
35	Identification of the Critical Nontechnical Skills for Surgeons Needed for High Performance in a Variable-resource Context (NOTSS-VRC). <i>Annals of Surgery</i> , 2019, 270, 1070-1078.	4.2	19
36	Physiological synchronization and entropy as measures of team cognitive load. <i>Journal of Biomedical Informatics</i> , 2019, 96, 103250.	4.3	30

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37	Dissecting Cardiac Surgery. <i>Annals of Surgery</i> , 2019, Publish Ahead of Print, e181-e186.	4.2	9
38	Using Machine Learning to Assess Physician Competence: A Systematic Review. <i>Academic Medicine</i> , 2019, 94, 427-439.	1.6	39
39	First Reported Use of Team Cognitive Workload for Root Cause Analysis in Cardiac Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 394-396.	0.6	21
40	Promoting Excellence in Surgical Educational Research: A Review of Research Methods. <i>Success in Academic Surgery</i> , 2019, , 143-158.	0.1	1
41	Evaluating Surgical Coaching: A Mixed Methods Approach Reveals More Than Surveys Alone. <i>Journal of Surgical Education</i> , 2018, 75, 1520-1525.	2.5	14
42	Development and evaluation of a patient-centred measurement tool for surgeons' non-technical skills. <i>British Journal of Surgery</i> , 2018, 105, 876-884.	0.3	12
43	Construct and criterion validity testing of the Non-Technical Skills for Surgeons (NOTSS) behaviour assessment tool using videos of simulated operations. <i>British Journal of Surgery</i> , 2018, 105, 719-727.	0.3	52
44	Contextual Challenges to Safe Surgery in a Resource-limited Setting. <i>Annals of Surgery</i> , 2018, 267, 461-467.	4.2	31
45	Improving Surgical Safety and Nontechnical Skills in Variable-Resource Contexts: A Novel Educational Curriculum. <i>Journal of Surgical Education</i> , 2018, 75, 1014-1021.	2.5	28
46	Intelligent Interruption Management System to Enhance Safety and Performance in Complex Surgical and Robotic Procedures. <i>Lecture Notes in Computer Science</i> , 2018, 11041, 62-68.	1.3	7
47	Operative team communication during simulated emergencies: Too busy to respond?. <i>Surgery</i> , 2017, 161, 1348-1356.	1.9	29
48	Realism in Simulation. <i>JAMA Surgery</i> , 2017, 152, 825.	4.3	3
49	Non-technical skills of surgeons and anaesthetists in simulated operating theatre crises. <i>British Journal of Surgery</i> , 2017, 104, 1028-1036.	0.3	43
50	Operating Room Team Training with Simulation: A Systematic Review. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2017, 27, 475-480.	1.0	58
51	Complementing Operating Room Teaching With Video-Based Coaching. <i>JAMA Surgery</i> , 2017, 152, 318.	4.3	107
52	Beyond "Measure Twice". <i>Annals of Surgery</i> , 2017, 266, 8-9.	4.2	1
53	Non-technical skills and health care provision in low- and middle-income countries: a systematic review. <i>Medical Education</i> , 2016, 50, 441-455.	2.1	49
54	Innovative Approaches for Modifying Surgical Culture. <i>JAMA Surgery</i> , 2016, 151, 791.	4.3	11

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55	Sometimes Wrong, Always In Doubt. JAMA Surgery, 2016, 151, 1176.	4.3	3
56	Introduction of the non-technical skills for surgeons (NOTSS) system in a Japanese cancer center. Surgery Today, 2016, 46, 1451-1455.	1.5	25
57	Surgeons' Leadership Styles and Team Behavior in the Operating Room. Journal of the American College of Surgeons, 2016, 222, 41-51.	0.5	93
58	Attending Surgeons' Leadership Style in the Operating Room: Comparing Junior Residents' Experiences and Preferences. Journal of Surgical Education, 2016, 73, 40-44.	2.5	14
59	Identifying the Unique Non-Technical Skills Used by Surgeons Operating in Low and Middle Income Contexts. Journal of the American College of Surgeons, 2015, 221, S87.	0.5	4
60	Coaching Non-technical Skills Improves Surgical Residents' Performance in a Simulated Operating Room. Journal of Surgical Education, 2015, 72, 1124-1130.	2.5	101
61	The Role of Nontechnical Skills in Simulated Trauma Resuscitation. Journal of Surgical Education, 2015, 72, 732-739.	2.5	86
62	Interprofessional simulation to improve safety in the epilepsy monitoring unit. Epilepsy and Behavior, 2015, 45, 229-233.	1.7	22
63	Systematic review of coaching to enhance surgeons' operative performance. Surgery, 2015, 158, 1168-1191.	1.9	81
64	An Apprenticeship Rotation Teaches Chief Residents Nontechnical Skills and ACGME Core Competencies. Journal of Surgical Education, 2015, 72, 1095-1101.	2.5	13
65	Factors Influencing Surgeons' Intraoperative Leadership: Video Analysis of Unanticipated Events in the Operating Room. World Journal of Surgery, 2014, 38, 4-10.	1.6	38
66	Development of a behavioural marker system for scrub practitioners' non-technical skills (SPLINTS) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.8	83
67	The Surgeons' Leadership Inventory (SLI): a taxonomy and rating system for surgeons' intraoperative leadership skills. American Journal of Surgery, 2013, 205, 745-751.	1.8	55
68	Using Videos to Determine the Effect of Stage of Operation and Intraoperative Events on Surgeons' Intraoperative Leadership. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 941-945.	0.3	1
69	Advanced Life Support Training: Does Online Learning Translate to Real-World Performance?. Annals of Internal Medicine, 2012, 157, 69.	3.9	5
70	The importance of preparation for doctors' handovers in an acute medical assessment unit: a hierarchical task analysis. BMJ Quality and Safety, 2012, 21, 211-217.	3.7	19
71	Surgeons' leadership in the operating room: an observational study. American Journal of Surgery, 2012, 204, 347-354.	1.8	57
72	Surgeons' Non-technical Skills. Surgical Clinics of North America, 2012, 92, 37-50.	1.5	123

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73	Evaluation of the Scrub Practitioners™ List of Intraoperative Non-Technical Skills (SPLINTS) system. International Journal of Nursing Studies, 2012, 49, 201-211.	5.6	103
74	Surgeons' intraoperative decision making and risk management. American Journal of Surgery, 2011, 202, 375-381.	1.8	69
75	Evaluation of the SPLINTS system for scrub practitioners' non-technical skills. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 690-694.	0.3	3
76	Thinking ahead of the surgeon. An interview study to identify scrub nurses™ non-technical skills. International Journal of Nursing Studies, 2011, 48, 818-828.	5.6	103
77	Doctors' handovers in hospitals: a literature review. BMJ Quality and Safety, 2011, 20, 128-133.	3.7	107
78	Towards a model of surgeons' leadership in the operating room. BMJ Quality and Safety, 2011, 20, 570-579.	3.7	43
79	Development of a taxonomy for surgeons' intraoperative leadership. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 695-699.	0.3	0
80	A preliminary investigation of surgeons' leadership in the operating room. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 867-871.	0.3	2
81	Doctors' Handovers in an Acute Medical Assessment Unit: A Hierarchical Task Analysis. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 967-971.	0.3	1
82	Thinking Ahead of the Surgeon: Developing a Behavioural Rating System for Scrub Practitioners' Non-Technical Skills (SPLINTS). Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 862-866.	0.3	6
83	Experience matters: comparing novice and expert ratings of non-technical skills using the NOTSS system. ANZ Journal of Surgery, 2009, 79, 154-160.	0.7	89
84	The role of national culture in determining safety performance: Challenges for the global oil and gas industry. Safety Science, 2009, 47, 777-785.	4.9	163
85	Debriefing surgeons on non-technical skills (NOTSS). Cognition, Technology and Work, 2008, 10, 265.	3.0	10
86	Enhancing surgical systems. Cognition, Technology and Work, 2008, 10, 251.	3.0	2
87	Surgeons™ Non-technical Skills in the Operating Room: Reliability Testing of the NOTSS Behavior Rating System. World Journal of Surgery, 2008, 32, 548-556.	1.6	424
88	Healthcare CEOs' Leadership Style and Patient Safety. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 820-824.	0.3	1
89	How do surgeons make intraoperative decisions?. Quality and Safety in Health Care, 2007, 16, 235-239.	2.5	158
90	The role of management and safety climate in preventing risk-taking at work. International Journal of Risk Assessment and Management, 2007, 7, 137.	0.1	100

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91	Debriefing Surgeons on Non-Technical Skills in the Operating Room - Results from a Pilot Study. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 663-667.	0.3	0
92	Undergraduate medical students' perceptions and expectations of theatre-based learning: How can we improve the student learning experience?. Journal of the Royal College of Surgeons of Edinburgh, 2007, 5, 271-274.	1.8	52
93	Teaching surgeons about non-technical skills. Journal of the Royal College of Surgeons of Edinburgh, 2007, 5, 86-89.	1.8	145
94	How can we prepare medical students for theatre-based learning?. Medical Education, 2007, 41, 968-974.	2.1	31
95	Measuring safety climate in health care. Quality and Safety in Health Care, 2006, 15, 109-115.	2.5	339
96	Attitudes to teamwork and safety in the operating theatre. Journal of the Royal College of Surgeons of Edinburgh, 2006, 4, 145-151.	1.8	151
97	Development of a rating system for surgeons' non-technical skills. Medical Education, 2006, 40, 1098-1104.	2.1	473
98	Non-technical skills for surgeons in the operating room: A review of the literature. Surgery, 2006, 139, 140-149.	1.9	617
99	Experimental Evaluation of a Behavioural Marker System for Surgeons' Non-Technical Skills (NOTSS). Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 969-972.	0.3	4
100	Safety Climate in Healthcare: A Review of Measurement Instruments. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 1759-1763.	0.3	0
101	Surgeons' Attitudes to Teamwork and Safety. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 2045-2049.	0.3	5