

Steven J Yule

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

4,972
citations

145106

33
h-index

104191

69
g-index

103
all docs

103
docs citations

103
times ranked

3743
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-technical skills for surgeons in the operating room: A review of the literature. <i>Surgery</i> , 2006, 139, 140-149.	1.0	617
2	Development of a rating system for surgeons' non-technical skills. <i>Medical Education</i> , 2006, 40, 1098-1104.	1.1	473
3	Surgeons'™ Non-technical Skills in the Operating Room: Reliability Testing of the NOTSS Behavior Rating System. <i>World Journal of Surgery</i> , 2008, 32, 548-556.	0.8	424
4	Measuring safety climate in health care. <i>Quality and Safety in Health Care</i> , 2006, 15, 109-115.	2.5	339
5	The role of national culture in determining safety performance: Challenges for the global oil and gas industry. <i>Safety Science</i> , 2009, 47, 777-785.	2.6	163
6	How do surgeons make intraoperative decisions?. <i>Quality and Safety in Health Care</i> , 2007, 16, 235-239.	2.5	158
7	Attitudes to teamwork and safety in the operating theatre. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2006, 4, 145-151.	0.8	151
8	Teaching surgeons about non-technical skills. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2007, 5, 86-89.	0.8	145
9	Surgeons'™ Non-technical Skills. <i>Surgical Clinics of North America</i> , 2012, 92, 37-50.	0.5	123
10	Doctors' handovers in hospitals: a literature review. <i>BMJ Quality and Safety</i> , 2011, 20, 128-133.	1.8	107
11	Complementing Operating Room Teaching With Video-Based Coaching. <i>JAMA Surgery</i> , 2017, 152, 318.	2.2	107
12	Thinking ahead of the surgeon. An interview study to identify scrub nurses'™ non-technical skills. <i>International Journal of Nursing Studies</i> , 2011, 48, 818-828.	2.5	103
13	Evaluation of the Scrub Practitioners'™ List of Intraoperative Non-Technical Skills (SPLINTS) system. <i>International Journal of Nursing Studies</i> , 2012, 49, 201-211.	2.5	103
14	Coaching Non-technical Skills Improves Surgical Residents'™ Performance in a Simulated Operating Room. <i>Journal of Surgical Education</i> , 2015, 72, 1124-1130.	1.2	101
15	The role of management and safety climate in preventing risk-taking at work. <i>International Journal of Risk Assessment and Management</i> , 2007, 7, 137.	0.2	100
16	Surgeons'™ Leadership Styles and Team Behavior in the Operating Room. <i>Journal of the American College of Surgeons</i> , 2016, 222, 41-51.	0.2	93
17	Experience matters: comparing novice and expert ratings of non-technical skills using the NOTSS system. <i>ANZ Journal of Surgery</i> , 2009, 79, 154-160.	0.3	89
18	The Role of Nontechnical Skills in Simulated Trauma Resuscitation. <i>Journal of Surgical Education</i> , 2015, 72, 732-739.	1.2	86

#	ARTICLE	IF	CITATIONS
19	Development of a behavioural marker system for scrub practitioners' non-technical skills (SPLINTS) Tj ETQq1 1 0.784314 rgBT /Over	0.9	83
20	Systematic review of coaching to enhance surgeons' operative performance. <i>Surgery</i> , 2015, 158, 1168-1191.	1.0	81
21	Surgeons' intraoperative decision making and risk management. <i>American Journal of Surgery</i> , 2011, 202, 375-381.	0.9	69
22	Operating Room Team Training with Simulation: A Systematic Review. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2017, 27, 475-480.	0.5	58
23	Surgeons' leadership in the operating room: an observational study. <i>American Journal of Surgery</i> , 2012, 204, 347-354.	0.9	57
24	The Surgeons' Leadership Inventory (SLI): a taxonomy and rating system for surgeons' intraoperative leadership skills. <i>American Journal of Surgery</i> , 2013, 205, 745-751.	0.9	55
25	Undergraduate medical students' perceptions and expectations of theatre-based learning: How can we improve the student learning experience?. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2007, 5, 271-274.	0.8	52
26	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.	0.1	52
27	Non-technical skills and health care provision in low- and middle-income countries: a systematic review. <i>Medical Education</i> , 2016, 50, 441-455.	1.1	49
28	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.	5.9	47
29	Predictors and triggers of incivility within healthcare teams: a systematic review of the literature. <i>BMJ Open</i> , 2020, 10, e035471.	0.8	44
30	Towards a model of surgeons' leadership in the operating room. <i>BMJ Quality and Safety</i> , 2011, 20, 570-579.	1.8	43
31	Non-technical skills of surgeons and anaesthetists in simulated operating theatre crises. <i>British Journal of Surgery</i> , 2017, 104, 1028-1036.	0.1	43
32	Using Machine Learning to Assess Physician Competence: A Systematic Review. <i>Academic Medicine</i> , 2019, 94, 427-439.	0.8	39
33	Factors Influencing Surgeons'™ Intraoperative Leadership: Video Analysis of Unanticipated Events in the Operating Room. <i>World Journal of Surgery</i> , 2014, 38, 4-10.	0.8	38
34	How can we prepare medical students for theatre-based learning?. <i>Medical Education</i> , 2007, 41, 968-974.	1.1	31
35	Contextual Challenges to Safe Surgery in a Resource-limited Setting. <i>Annals of Surgery</i> , 2018, 267, 461-467.	2.1	31
36	Physiological synchronization and entropy as measures of team cognitive load. <i>Journal of Biomedical Informatics</i> , 2019, 96, 103250.	2.5	30

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37	Operative team communication during simulated emergencies: Too busy to respond?. <i>Surgery</i> , 2017, 161, 1348-1356.	1.0	29
38	Improving Surgical Safety and Nontechnical Skills in Variable-Resource Contexts: A Novel Educational Curriculum. <i>Journal of Surgical Education</i> , 2018, 75, 1014-1021.	1.2	28
39	Introduction of the non-technical skills for surgeons (NOTSS) system in a Japanese cancer center. <i>Surgery Today</i> , 2016, 46, 1451-1455.	0.7	25
40	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.	2.1	25
41	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.	1.3	23
42	Interprofessional simulation to improve safety in the epilepsy monitoring unit. <i>Epilepsy and Behavior</i> , 2015, 45, 229-233.	0.9	22
43	Assessment of the Non-Technical Skills for Surgeons (NOTSS) framework in the USA. <i>British Journal of Surgery</i> , 2020, 107, 1137-1144.	0.1	22
44	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.	0.4	21
45	The importance of preparation for doctors' handovers in an acute medical assessment unit: a hierarchical task analysis. <i>BMJ Quality and Safety</i> , 2012, 21, 211-217.	1.8	19
46	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.	2.1	19
47	Medical Event Management for Future Deep Space Exploration Missions to Mars. <i>Journal of Surgical Research</i> , 2020, 246, 305-314.	0.8	19
48	Surgery Task Load Index in Cardiac Surgery: Measuring Cognitive Load Among Teams. <i>Surgical Innovation</i> , 2020, 27, 602-607.	0.4	18
49	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.	1.1	18
50	Nontechnical Skill Countermeasures for Pandemic Response. <i>Annals of Surgery</i> , 2020, 272, e213-e215.	2.1	15
51	Attending Surgeons'™ Leadership Style in the Operating Room: Comparing Junior Residents'™ Experiences and Preferences. <i>Journal of Surgical Education</i> , 2016, 73, 40-44.	1.2	14
52	Evaluating Surgical Coaching: A Mixed Methods Approach Reveals More Than Surveys Alone. <i>Journal of Surgical Education</i> , 2018, 75, 1520-1525.	1.2	14
53	An Apprenticeship Rotation Teaches Chief Residents Nontechnical Skills and ACGME Core Competencies. <i>Journal of Surgical Education</i> , 2015, 72, 1095-1101.	1.2	13
54	Development and evaluation of a patient-centred measurement tool for surgeons' non-technical skills. <i>British Journal of Surgery</i> , 2018, 105, 876-884.	0.1	12

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55	Performance Coaching for Practicing Surgeons Enhancing Clinical Performance, Well-Being, and Trainee Experience. <i>Journal of Surgical Education</i> , 2020, 77, 495-498.	1.2	12
56	Identifying Naturalistic Coaching Behavior Among Practicing Surgeons in the Operating Room. <i>Annals of Surgery</i> , 2021, 273, 181-186.	2.1	12
57	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.	1.2	12
58	Innovative Approaches for Modifying Surgical Culture. <i>JAMA Surgery</i> , 2016, 151, 791.	2.2	11
59	Debriefing surgeons on non-technical skills (NOTSS). <i>Cognition, Technology and Work</i> , 2008, 10, 265.	1.7	10
60	Optimizing the Implementation of Surgical Coaching Through Feedback From Practicing Surgeons. <i>JAMA Surgery</i> , 2021, 156, 42-49.	2.2	10
61	The eNOTSS Platform for Surgeons™ Nontechnical Skills Performance Improvement. <i>JAMA Surgery</i> , 2020, 155, 438.	2.2	10
62	Non-technical skill assessments across levels of US surgical training. <i>Surgery</i> , 2021, 170, 713-718.	1.0	10
63	Dissecting Cardiac Surgery. <i>Annals of Surgery</i> , 2019, Publish Ahead of Print, e181-e186.	2.1	9
64	Analysis of Mirrored Psychophysiological Change of Cardiac Surgery Team Members During Open Surgery. <i>Journal of Surgical Education</i> , 2021, 78, 622-629.	1.2	9
65	Surgical Sabermetrics: Applying Athletics Data Science to Enhance Operative Performance. <i>Annals of Surgery Open</i> , 2021, 2, e054.	0.7	9
66	“Rise of the Machines”: Human Factors and training for robotic-assisted surgery. <i>BMJ Surgery, Interventions, and Health Technologies</i> , 2021, 3, e000100.	0.6	9
67	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.	0.6	7
68	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.	1.2	7
69	Measuring and Improving Emotional Intelligence in Surgery. <i>Annals of Surgery</i> , 2021, Publish Ahead of Print, .	2.1	7
70	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.	1.0	7
71	Thinking Ahead of the Surgeon: Developing a Behavioural Rating System for Scrub Practitioners' Non-Technical Skills (SPLINTS). <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 862-866.	0.2	6
72	Nontechnical skills training in cardiothoracic surgery: A pilot study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 2155-2162.e4.	0.4	6

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73	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.	0.6	6
74	Surgeons' Attitudes to Teamwork and Safety. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2004, 48, 2045-2049.	0.2	5
75	Advanced Life Support Training: Does Online Learning Translate to Real-World Performance?. <i>Annals of Internal Medicine</i> , 2012, 157, 69.	2.0	5
76	A tool to assess nontechnical skills of perfusionists in the cardiac operating room. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.4	5
77	The impact of team familiarity on intra and postoperative cardiac surgical outcomes. <i>Surgery</i> , 2021, 170, 1031-1038.	1.0	5
78	Evaluating Non-Technical Skills in Surgery. <i>Success in Academic Surgery</i> , 2020, , 125-135.	0.1	5
79	Crew Autonomy During Simulated Medical Event Management on Long Duration Space Exploration Missions. <i>Human Factors</i> , 2023, 65, 1221-1234.	2.1	5
80	Experimental Evaluation of a Behavioural Marker System for Surgeons' Non-Technical Skills (NOTSS). <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2006, 50, 969-972.	0.2	4
81	Identifying the Unique Non-Technical Skills Used by Surgeons Operating in Low and Middle Income Contexts. <i>Journal of the American College of Surgeons</i> , 2015, 221, S87.	0.2	4
82	Evaluation of the SPLINTS system for scrub practitioners' non-technical skills. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2011, 55, 690-694.	0.2	3
83	Sometimes Wrong, Always In Doubt. <i>JAMA Surgery</i> , 2016, 151, 1176.	2.2	3
84	Realism in Simulation. <i>JAMA Surgery</i> , 2017, 152, 825.	2.2	3
85	Novel Assessments of Technical and Nontechnical Cardiac Surgery Quality: Protocol for a Mixed Methods Study. <i>JMIR Research Protocols</i> , 2021, 10, e22536.	0.5	3
86	Enhancing surgical systems. <i>Cognition, Technology and Work</i> , 2008, 10, 251.	1.7	2
87	A preliminary investigation of surgeons' leadership in the operating room. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 867-871.	0.2	2
88	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.	2.1	2
89	Healthcare CEOs' Leadership Style and Patient Safety. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2008, 52, 820-824.	0.2	1
90	Doctors' Handovers in an Acute Medical Assessment Unit: A Hierarchical Task Analysis. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 967-971.	0.2	1

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91	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.	0.2	1
92	Beyond "Measure Twice": Annals of Surgery, 2017, 266, 8-9.	2.1	1
93	Non-technical skills for surgical educators. Scottish Medical Journal, 2021, 66, 122-123.	0.7	1
94	Promoting Excellence in Surgical Educational Research: A Review of Research Methods. Success in Academic Surgery, 2019, , 143-158.	0.1	1
95	Safety Climate in Healthcare: A Review of Measurement Instruments. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 1759-1763.	0.2	0
96	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.	0.2	0
97	Development of a taxonomy for surgeons' intraoperative leadership. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 695-699.	0.2	0
98	Commentary: Another Dutch treat. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1893-1894.	0.4	0
99	Development of an Observation-Based Rating Tool to Assess Trauma Team Leadership Skills. Journal of the American College of Surgeons, 2020, 231, e232-e233.	0.2	0
100	Response Regarding: "How to Manage Head Injury With COVID-19 Pneumonitis on Mars? Rare but High Impact Complex Medical Emergencies in Space". Journal of Surgical Research, 2021, 258, 460.	0.8	0
101	Evaluating Nontechnical Skills in US Emergency Departments Using Simulation. Simulation in Healthcare, 2021, Publish Ahead of Print, .	0.7	0