

Roger Daglius Dias

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

780
citations

567144

15
h-index

580701

25
g-index

62
all docs

62
docs citations

62
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic review of measurement tools to assess surgeons' intraoperative cognitive workload. <i>British Journal of Surgery</i> , 2018, 105, 491-501.	0.1	133
2	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
3	Stress levels during emergency care: A comparison between reality and simulated scenarios. <i>Journal of Critical Care</i> , 2016, 33, 8-13.	1.0	52
4	Using Machine Learning to Assess Physician Competence: A Systematic Review. <i>Academic Medicine</i> , 2019, 94, 427-439.	0.8	39
5	Impact of Teamwork and Communication Training Interventions on Safety Culture and Patient Safety in Emergency Departments: A Systematic Review. <i>Journal of Patient Safety</i> , 2022, 18, e351-e361.	0.7	39
6	Development of an algorithm to aid triage decisions for intensive care unit admission: a clinical vignette and retrospective cohort study. <i>Critical Care</i> , 2016, 20, 81.	2.5	30
7	Physiological synchronization and entropy as measures of team cognitive load. <i>Journal of Biomedical Informatics</i> , 2019, 96, 103250.	2.5	30
8	Cognitive Engineering to Improve Patient Safety and Outcomes in Cardiothoracic Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2020, 32, 1-7.	0.4	28
9	Breaking bad news in the emergency department: a comparative analysis among residents, patients and family members's perceptions. <i>European Journal of Emergency Medicine</i> , 2018, 25, 71-76.	0.5	27
10	Computer Vision in the Operating Room: Opportunities and Caveats. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2021, 3, 2-10.	2.1	25
11	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
12	Maintaining health professional education during war: A scoping review. <i>Medical Education</i> , 2022, 56, 793-804.	1.1	21
13	Acute stress in residents during emergency care: a study of personal and situational factors. <i>Stress</i> , 2017, 20, 241-248.	0.8	20
14	Medical Event Management for Future Deep Space Exploration Missions to Mars. <i>Journal of Surgical Research</i> , 2020, 246, 305-314.	0.8	19
15	Surgery Task Load Index in Cardiac Surgery: Measuring Cognitive Load Among Teams. <i>Surgical Innovation</i> , 2020, 27, 602-607.	0.4	18
16	A decision-aid tool for ICU admission triage is associated with a reduction in potentially inappropriate intensive care unit admissions. <i>Journal of Critical Care</i> , 2019, 51, 77-83.	1.0	16
17	Patients with cirrhosis in the ED: early predictors of infection and mortality. <i>American Journal of Emergency Medicine</i> , 2016, 34, 25-29.	0.7	15
18	Development of an Interactive Dashboard to Analyze Cognitive Workload of Surgical Teams During Complex Procedural Care. , 2018, 2018, 77-82.		15

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19	Artificial intelligence in cardiothoracic surgery. <i>Minerva Cardioangiologica</i> , 2020, 68, 532-538.	1.2	14
20	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
21	Cognitive Support to Promote Shared Mental Models during Safety-Critical Situations in Cardiac Surgery (Late Breaking Report). , 2018, 2018, 165-167.		11
22	Toward improving surgical outcomes by incorporating cognitive load measurement into process-driven guidance. , 2018, 2018, 2-9.		10
23	Importance of high-performing teams in the cardiovascular intensive care unit. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 1096-1104.	0.4	10
24	Dissecting Cardiac Surgery. <i>Annals of Surgery</i> , 2019, Publish Ahead of Print, e181-e186.	2.1	9
25	Sensors for Continuous Monitoring of Surgeon's Cognitive Workload in the Cardiac Operating Room. <i>Sensors</i> , 2020, 20, 6616.	2.1	9
26	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
27	Burden of hospitalisation among older people in the Brazilian public health system: a big data analysis from 2009 to 2015. <i>Journal of Epidemiology and Community Health</i> , 2019, 73, 537-543.	2.0	8
28	We Asked the Experts: The WHO Surgical Safety Checklist and the COVID-19 Pandemic: Recommendations for Content and Implementation Adaptations. <i>World Journal of Surgery</i> , 2021, 45, 1293-1296.	0.8	8
29	Using the Manchester triage system for refusing nonurgent patients in the emergency department: A 30-day outcome study. <i>Journal of Emergency Management</i> , 2016, 14, 365-369.	0.2	8
30	Towards an AI Coach to Infer Team Mental Model Alignment in Healthcare. , 2021, 2021, 39-44.		7
31	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
32	Acute stress in residents playing different roles during emergency simulations: a preliminary study. <i>International Journal of Medical Education</i> , 2017, 8, 239-243.	0.6	7
33	The growing impact of older patients in the emergency department: a 5-year retrospective analysis in Brazil. <i>BMC Emergency Medicine</i> , 2020, 20, 47.	0.7	5
34	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
35	The impact of team familiarity on intra and postoperative cardiac surgical outcomes. <i>Surgery</i> , 2021, 170, 1031-1038.	1.0	5
36	Augmented Cognition in the Operating Room. , 2021, , 261-268.		5

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37	Crew Autonomy During Simulated Medical Event Management on Long Duration Space Exploration Missions. <i>Human Factors</i> , 2023, 65, 1221-1234.	2.1	5
38	Prognostication in urgent intensive care unit referrals: a cohort study. <i>BMJ Supportive and Palliative Care</i> , 2020, 10, 118-121.	0.8	4
39	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
40	Design of a Wearable System to Capture Physiological Data to Monitor Surgeons' Stress During Surgery. , 2020, 2020, 4539-4542.		2
41	Analysis of Dynamic Changes in Cognitive Workload During Cardiac Surgery Perfusionists' Interactions With the Cardiopulmonary Bypass Pump. <i>Human Factors</i> , 2021, 63, 757-771.	2.1	2
42	Using machine learning to predict perfusionists' critical decision-making during cardiac surgery. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2022, 10, 308-312.	1.3	2
43	Objective Measurement of Learners' Cognitive Load During Simulation-Based Trauma Team Training: A Pilot Study. <i>Journal of Surgical Research</i> , 2022, 279, 361-367.	0.8	2
44	Autonomic Activity and Surgical Flow Disruptions in Healthcare Providers during Cardiac Surgery. , 2020, 2020, .		1
45	The Cognitive Relevance of a Formal Pre-incision Time-out in Surgery. , 2021, 2021, .		1
46	Feasibility of Healthcare Providers' Autonomic Activation Recognition in Real-Life Cardiac Surgery Using Noninvasive Sensors. <i>Communications in Computer and Information Science</i> , 2020, 1293, 402-408.	0.4	1
47	Criterion validity and inter-rater reliability of a palliative care screening tool for patients admitted to an emergency department intensive care unit. <i>Palliative and Supportive Care</i> , 2018, 16, 685-691.	0.6	0
48	Digital Cognitive Aids to Support Adaptation of Surgical Processes to COVID-19 Protective Policies. , 2020, 2020, 205-210.		0
49	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.	0.2	0
50	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.	0.8	0
51	Commentary: Nontechnical skills redux. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, .	0.4	0
52	Prevalence of Surgical Flow Disruptions Across Intra-operative High- and Low-Workload Phases in Cardiac Surgery. <i>Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare</i> , 2021, 10, 263-266.	0.2	0
53	Preparando Pacientes e Otimizando Processos no Perioperat3rio das Cirurgias Card3acas: Como Redesenhar os Fluxos de Assist3ncia ap3s a COVID-19. <i>Arquivos Brasileiros De Cardiologia</i> , 2022, 118, 110-114.	0.3	0
54	Learning NOTSS While Tying Knots: Integrating the Nontechnical Skills for Surgeons Course With Technical Surgical Skills Training, A Mixed Methods Study. <i>Annals of Surgery Open</i> , 2022, 3, e133.	0.7	0

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55	Team emergency assessment measure (TEAM) of non-technical skills: The Brazilian Portuguese version of the TEAM tool. <i>Clinics</i> , 2022, 77, 100043.	0.6	0