

Roger Daglius Dias

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

374
citations

10
h-index

17
g-index

62
ext. papers

585
ext. citations

2.7
avg, IF

4.25
L-index

#	Paper	IF	Citations
50	Systematic review of measurement tools to assess surgeons' intraoperative cognitive workload. <i>British Journal of Surgery</i> , 2018 , 105, 491-501	5.3	67
49	Operating Room Team Training with Simulation: A Systematic Review. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2017 , 27, 475-480	2.1	46
48	Stress levels during emergency care: A comparison between reality and simulated scenarios. <i>Journal of Critical Care</i> , 2016 , 33, 8-13	4	33
47	Using Machine Learning to Assess Physician Competence: A Systematic Review. <i>Academic Medicine</i> , 2019 , 94, 427-439	3.9	20
46	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	10.8	18
45	Physiological synchronization and entropy as measures of team cognitive load. <i>Journal of Biomedical Informatics</i> , 2019 , 96, 103250	10.2	17
44	Cognitive Engineering to Improve Patient Safety and Outcomes in Cardiothoracic Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2020 , 32, 1-7	1.7	16
43	Breaking bad news in the emergency department: a comparative analysis among residents, patients and family members' perceptions. <i>European Journal of Emergency Medicine</i> , 2018 , 25, 71-76	2.3	14
42	Patients with cirrhosis in the ED: early predictors of infection and mortality. <i>American Journal of Emergency Medicine</i> , 2016 , 34, 25-9	2.9	11
41	Acute stress in residents during emergency care: a study of personal and situational factors. <i>Stress</i> , 2017 , 20, 241-248	3	11
40	Development of an Interactive Dashboard to Analyze Cognitive Workload of Surgical Teams During Complex Procedural Care 2018 , 2018, 77-82		8
39	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	4	8
38	Dissecting Cardiac Surgery: A Video-based Recall Protocol to Elucidate Team Cognitive Processes in the Operating Room. <i>Annals of Surgery</i> , 2021 , 274, e181-e186	7.8	8
37	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	1.7	8
36	Cognitive Support to Promote Shared Mental Models during Safety-Critical Situations in Cardiac Surgery (Late Breaking Report) 2018 , 2018, 165-167		7
35	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, 349-364	0.7	7
34	Medical Event Management for Future Deep Space Exploration Missions to Mars. <i>Journal of Surgical Research</i> , 2020 , 246, 305-314	2.5	7

33	Analysis of Mirrored Psychophysiological Change of Cardiac Surgery Team Members During Open Surgery. <i>Journal of Surgical Education</i> , 2021 , 78, 622-629	3.4	7
32	Artificial intelligence in cardiothoracic surgery. <i>Minerva Cardioangiologica</i> , 2020 , 68, 532-538	1.1	6
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	0.9	6
30	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> , 2020 , 18,	1.9	5
29	Computer Vision in the Operating Room: Opportunities and Caveats. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2021 , 3, 2-10	3.1	5
28	Toward Improving Surgical Outcomes by Incorporating Cognitive Load Measurement into Process-Driven Guidance 2018 , 2018, 2-9		5
27	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	3.4	5
26	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	5.1	3
25	Surgery Task Load Index in Cardiac Surgery: Measuring Cognitive Load Among Teams. <i>Surgical Innovation</i> , 2020 , 27, 602-607	2	3
24	Acute stress in residents playing different roles during emergency simulations: a preliminary study. <i>International Journal of Medical Education</i> , 2017 , 8, 239-243	1.6	3
23	Sensors for Continuous Monitoring of Surgeon's Cognitive Workload in the Cardiac Operating Room. <i>Sensors</i> , 2020 , 20,	3.8	3
22	Towards an AI Coach to Infer Team Mental Model Alignment in Healthcare. 2021 , 2021, 39-44		3
21	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	2.4	2
20	Augmented Cognition in the Operating Room 2021 , 261-268		2
19	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	3.3	2
18	A tool to assess nontechnical skills of perfusionists in the cardiac operating room. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	2
17	Prognostication in urgent intensive care unit referrals: a cohort study. <i>BMJ Supportive and Palliative Care</i> , 2020 , 10, 118-121	2.2	1
16	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	0.3	0

15	Design of a Wearable System to Capture Physiological Data to Monitor Surgeons' Stress During Surgery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2020, 2020, 4539-4542</i>	0.9	0
14	Novel Assessments of Technical and Nontechnical Cardiac Surgery Quality: Protocol for a Mixed Methods Study. <i>JMIR Research Protocols, 2021, 10, e22536</i>	2	0
13	The impact of team familiarity on intra and postoperative cardiac surgical outcomes. <i>Surgery, 2021, 170, 1031-1038</i>	3.6	0
12	Research Article in Revision for Human Factors Special Issue: Human Factors and Ergonomics in Space Exploration Crew Autonomy During Simulated Medical Event Management on Long Duration Space Exploration Missions.. <i>Human Factors, 2022, 187208211067575</i>	3.8	0
11	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, 2018, 16, 685-691</i>	2.5	
10	Preparing Patients And Optimizing Processes In The Perioperative Period Of Cardiac Surgery: How To Redesign The Flow Of Care After COVID-19.. <i>Arquivos Brasileiros De Cardiologia, 2022, 118, 110-114</i>	1.2	
9	Using machine learning to predict perfusionists' critical decision-making during cardiac surgery. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 1-5</i>	0.9	
8	Analysis of Dynamic Changes in Cognitive Workload During Cardiac Surgery Perfusionists' Interactions With the Cardiopulmonary Bypass Pump. <i>Human Factors, 2021, 63, 757-771</i>	3.8	
7	Digital Cognitive Aids to Support Adaptation of Surgical Processes to COVID-19 Protective Policies 2020, 2020, 205-210		
6	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, 2021, 10, 263-266</i>	0.5	
5	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, 2021, 258, 460</i>	2.5	
4	Commentary: Nontechnical skills redux. <i>Journal of Thoracic and Cardiovascular Surgery, 2021,</i>	1.5	
3	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, 2022, 3, e133</i>	1	
2	Team emergency assessment measure (TEAM) of non-technical skills: The Brazilian Portuguese version of the TEAM tool.. <i>Clinics, 2022, 77, 100043</i>	2.3	
1	A Coding Framework for Usability Evaluation of Digital Health Technologies. <i>Lecture Notes in Computer Science, 2022, 185-196</i>	0.9	