

# Julian M Goldman

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

769  
citations

840776

11  
h-index

888059

17  
g-index

32  
all docs

32  
docs citations

32  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deliberate Perioperative Systems Design Improves Operating Room Throughput. <i>Anesthesiology</i> , 2005, 103, 406-418.	2.5	225
2	Reorganizing patient care and workflow in the operating room: a cost-effectiveness study. <i>Surgery</i> , 2006, 139, 717-728.	1.9	104
3	Toward patient safety in closed-loop medical device systems. , 2010, , .		83
4	Rationale and Architecture Principles for Medical Application Platforms. , 2012, , .		59
5	Introducing new technology into the operating room: Measuring the impact on job performance and satisfaction. <i>Surgery</i> , 2005, 137, 518-526.	1.9	49
6	Plug-and-Play for Medical Devices: Experiences from a Case Study. <i>Biomedical Instrumentation and Technology</i> , 2009, 43, 313-317.	0.4	38
7	OpenICE medical device interoperability platform overview and requirement analysis. <i>Biomedizinische Technik</i> , 2018, 63, 39-47.	0.8	31
8	Simulation of Medical Device Network Performance and Requirements for An Integrated Clinical Environment. <i>Biomedical Instrumentation and Technology</i> , 2012, 46, 308-315.	0.4	17
9	Design Implementation and Evaluation of a Mobile Continuous Blood Oxygen Saturation Monitoring System. <i>Sensors</i> , 2020, 20, 6581.	3.8	16
10	Plug-and-play in the operating room of the future. <i>Biomedical Instrumentation and Technology</i> , 2005, 39, 194-9.	0.4	16
11	Metrology and standards needs for some categories of medical devices. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2008, 113, 121.	1.2	15
12	The Need to Apply Medical Device Informatics in Developing Standards for Safe Interoperable Medical Systems. <i>Anesthesia and Analgesia</i> , 2017, 124, 127-135.	2.2	15
13	Capturing Essential Information to Achieve Safe Interoperability. <i>Anesthesia and Analgesia</i> , 2017, 124, 83-94.	2.2	14
14	Smart checklists for human-intensive medical systems. , 2012, , .		13
15	A Treatment Validation Protocol for Cyber-Physical-Human Medical Systems. , 2014, , .		13
16	The Launch of the iCoDE Standard Project. <i>Journal of Diabetes Science and Technology</i> , 2022, 16, 887-895.	2.2	13
17	Toward improving surgical outcomes by incorporating cognitive load measurement into process-driven guidance. , 2018, 2018, 2-9.		10
18	The Importance of State and Context in Safe Interoperable Medical Systems. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2016, 4, 1-10.	3.7	8

#	ARTICLE	IF	CITATIONS
19	Adapting to a New System of Surgical Technologies and Perioperative Processes Among Clinicians. Journal of Surgical Research, 2007, 139, 61-67.	1.6	6
20	Use Case Demonstration: X-Ray/Ventilator. , 2007, , .		4
21	Applying Medical Device Informatics to Enable Safe and Secure Interoperable Systems: Medical Device Interface Data Sheets. Anesthesia and Analgesia, 2020, 131, 969-976.	2.2	4
22	Design of an x-ray / ventilator synchronization system in an integrated clinical environment. , 2011, 2011, 8203-6.		3
23	Towards organ-centric compositional development of safe networked supervisory medical systems. , 2013, , .		3
24	A Novel Interoperable Safety System for Improved Coordination and Communication in Cardiac Surgery. Lecture Notes in Computer Science, 2018, 11041, 39-45.	1.3	3
25	Towards a cyber-medical model for device configuration safety in acute care. , 2014, , .		2
26	Modeling and architecture design of an MDPnP acute care monitoring system. , 2013, , .		1
27	WiP abstract: A treatment coordination protocol for cyber-physical-human medical systems. , 2014, , .		1
28	Implementing Real-Time Clinical Decision Support Applications on OpenICE: A Case Study Using the National Early Warning System Algorithm. , 2019, , .		1
29	Risk Management Objectives for Distributed Development of Interoperable Medical Products. , 2019, , .		1
30	Establishing a Ventilator-Heart Lung Machine Communication Bridge to Mitigate Errors when Weaning from Bypass. Journal of Extra-Corporeal Technology, 2019, 51, 38-40.	0.4	1
31	MD PnP program updates. ACM SIGBED Review, 2009, 6, 1-2.	1.8	0
32	In Response. Anesthesia and Analgesia, 2017, 125, 707-708.	2.2	0