

Julian M Goldman

List of Publications by Year in descending order

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32
papers

769
citations

949033

11
h-index

993246

17
g-index

32
all docs

32
docs citations

32
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	The Launch of the iCoDE Standard Project. Journal of Diabetes Science and Technology, 2022, 16, 887-895.	1.3	13
2	Applying Medical Device Informatics to Enable Safe and Secure Interoperable Systems: Medical Device Interface Data Sheets. Anesthesia and Analgesia, 2020, 131, 969-976.	1.1	4
3	Design Implementation and Evaluation of a Mobile Continuous Blood Oxygen Saturation Monitoring System. Sensors, 2020, 20, 6581.	2.1	16
4	Implementing Real-Time Clinical Decision Support Applications on OpenICE: A Case Study Using the National Early Warning System Algorithm. , 2019, , .		1
5	Risk Management Objectives for Distributed Development of Interoperable Medical Products. , 2019, , .		1
6	Establishing a Ventilator-Heart Lung Machine Communication Bridge to Mitigate Errors when Weaning from Bypass. Journal of Extra-Corporeal Technology, 2019, 51, 38-40.	0.2	1
7	OpenICE medical device interoperability platform overview and requirement analysis. Biomedizinische Technik, 2018, 63, 39-47.	0.9	31
8	Toward improving surgical outcomes by incorporating cognitive load measurement into process-driven guidance. , 2018, 2018, 2-9.		10
9	A Novel Interoperable Safety System for Improved Coordination and Communication in Cardiac Surgery. Lecture Notes in Computer Science, 2018, 11041, 39-45.	1.0	3
10	Capturing Essential Information to Achieve Safe Interoperability. Anesthesia and Analgesia, 2017, 124, 83-94.	1.1	14
11	The Need to Apply Medical Device Informatics in Developing Standards for Safe Interoperable Medical Systems. Anesthesia and Analgesia, 2017, 124, 127-135.	1.1	15
12	In Response. Anesthesia and Analgesia, 2017, 125, 707-708.	1.1	0
13	The Importance of State and Context in Safe Interoperable Medical Systems. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-10.	2.2	8
14	WiP abstract: A treatment coordination protocol for cyber-physical-human medical systems. , 2014, , .		1
15	A Treatment Validation Protocol for Cyber-Physical-Human Medical Systems. , 2014, , .		13
16	Towards a cyber-medical model for device configuration safety in acute care. , 2014, , .		2
17	Towards organ-centric compositional development of safe networked supervisory medical systems. , 2013, , .		3
18	Modeling and architecture design of an MDPnP acute care monitoring system. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Smart checklists for human-intensive medical systems. , 2012, , .		13
20	Simulation of Medical Device Network Performance and Requirements for An Integrated Clinical Environment. Biomedical Instrumentation and Technology, 2012, 46, 308-315.	0.2	17
21	Rationale and Architecture Principles for Medical Application Platforms. , 2012, , .		59
22	Design of an x-ray / ventilator synchronization system in an integrated clinical environment. , 2011, 2011, 8203-6.		3
23	Toward patient safety in closed-loop medical device systems. , 2010, , .		83
24	MD PnP program updates. ACM SIGBED Review, 2009, 6, 1-2.	1.8	0
25	Plug-and-Play for Medical Devices: Experiences from a Case Study. Biomedical Instrumentation and Technology, 2009, 43, 313-317.	0.2	38
26	Metrology and standards needs for some categories of medical devices. Journal of Research of the National Institute of Standards and Technology, 2008, 113, 121.	0.4	15
27	Use Case Demonstration: X-Ray/Ventilator. , 2007, , .		4
28	Adapting to a New System of Surgical Technologies and Perioperative Processes Among Clinicians. Journal of Surgical Research, 2007, 139, 61-67.	0.8	6
29	Reorganizing patient care and workflow in the operating room: a cost-effectiveness study. Surgery, 2006, 139, 717-728.	1.0	104
30	Deliberate Perioperative Systems Design Improves Operating Room Throughput. Anesthesiology, 2005, 103, 406-418.	1.3	225
31	Introducing new technology into the operating room: Measuring the impact on job performance and satisfaction. Surgery, 2005, 137, 518-526.	1.0	49
32	Plug-and-play in the operating room of the future. Biomedical Instrumentation and Technology, 2005, 39, 194-9.	0.2	16