

# Matthew B Weinger

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

2,345  
citations

279798

23  
h-index

214800

47  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep Deprivation and Clinical Performance. JAMA - Journal of the American Medical Association, 2002, 287, 955.	7.4	313
2	Health information technology: fallacies and sober realities. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 617-623.	4.4	302
3	A real-time assessment of work stress in physicians and nurses.. Health Psychology, 2009, 28, 194-200.	1.6	144
4	Changes in intensive care unit nurse task activity after installation of a third-generation intensive care unit information system. Critical Care Medicine, 2003, 31, 2488-2494.	0.9	134
5	Describing and Modeling Workflow and Information Flow in Chronic Disease Care. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 826-836.	4.4	128
6	Impact of electronic health record technology on the work and workflow of physicians in the intensive care unit. International Journal of Medical Informatics, 2015, 84, 578-594.	3.3	124
7	Multiple Measures of Anesthesia Workload During Teaching and Nonteaching Cases. Anesthesia and Analgesia, 2004, 98, 1419-1425.	2.2	101
8	Retrospective data collection and analytical techniques for patient safety studies. Journal of Biomedical Informatics, 2003, 36, 106-119.	4.3	86
9	The Study of Factors Affecting Human and Systems Performance in Healthcare Using Simulation. Simulation in Healthcare, 2011, 6, S24-S29.	1.2	78
10	Development and Evaluation of a Graphical Anesthesia Drug Display. Anesthesiology, 2002, 96, 565-575.	2.5	76
11	A Multimodal Intervention Improves Postanesthesia Care Unit Handovers. Anesthesia and Analgesia, 2015, 121, 957-971.	2.2	64
12	The influence of stress responses on surgical performance and outcomes: Literature review and the development of the surgical stress effects (SSE) framework. American Journal of Surgery, 2018, 216, 573-584.	1.8	60
13	Evaluation of Graphic Cardiovascular Display in a High-Fidelity Simulator. Anesthesia and Analgesia, 2003, 97, 1403-1413.	2.2	59
14	Simulation-based Assessment of the Management of Critical Events by Board-certified Anesthesiologists. Anesthesiology, 2017, 127, 475-489.	2.5	58
15	Assessment of the Intrarater and Interrater Reliability of an Established Clinical Task Analysis Methodology. Anesthesiology, 2002, 96, 1129-1139.	2.5	55
16	The Employment of an Iterative Design Process to Develop a Pulmonary Graphical Display. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 363-372.	4.4	51
17	Human Factors Engineering in Patient Safety. Anesthesiology, 2014, 120, 801-806.	2.5	41
18	Differences in Day and Night Shift Clinical Performance in Anesthesiology. Human Factors, 2008, 50, 276-290.	3.5	40

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19	The Pharmacology of Simulation: A Conceptual Framework to Inform Progress in Simulation Research. <i>Simulation in Healthcare</i> , 2010, 5, 8-15.	1.2	38
20	Paper or plastic? Simulation based evaluation of two versions of a cognitive aid for managing pediatric peri-operative critical events by anesthesia trainees: evaluation of the society for pediatric anesthesia emergency checklist. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 275-283.	1.6	36
21	Quantitative description of the workload associated with airway management procedures. <i>Journal of Clinical Anesthesia</i> , 2000, 12, 273-282.	1.6	35
22	Care Coordination in Intensive Care Units: Communicating Across Information Spaces. <i>Human Factors</i> , 2010, 52, 147-161.	3.5	35
23	A simulation-based curriculum to introduce key teamwork principles to entering medical students. <i>BMC Medical Education</i> , 2016, 16, 295.	2.4	28
24	Health information technology: Fallacies and Sober realities – Redux A homage to Bentzi Karsh and Robert Wears. <i>Applied Ergonomics</i> , 2020, 82, 102973.	3.1	20
25	Integrating Foundational Sciences in a Clinical Context in the Post-clerkship Curriculum. <i>Medical Science Educator</i> , 2018, 28, 145-154.	1.5	18
26	Application of contextual design methods to inform targeted clinical decision support interventions in sub-specialty care environments. <i>International Journal of Medical Informatics</i> , 2018, 117, 55-65.	3.3	17
27	Use of a Handheld Computer Application for Voluntary Medication Event Reporting by Inpatient Nurses and Physicians. <i>Journal of General Internal Medicine</i> , 2008, 23, 418-422.	2.6	16
28	Human performance measures for the evaluation of process control human-system interfaces in high-fidelity simulations. <i>Applied Ergonomics</i> , 2018, 73, 151-165.	3.1	16
29	Applying direct observation to model workflow and assess adoption. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 794-8.	0.2	15
30	Incidence and Classification of Nonroutine Events during Anesthesia Care. <i>Anesthesiology</i> , 2020, 133, 41-52.	2.5	14
31	Facilitated Nurse Medication-Related Event Reporting to Improve Medication Management Quality and Safety in Intensive Care Units. <i>Nursing Research</i> , 2017, 66, 337-349.	1.7	14
32	A Real-Time Assessment of Factors Influencing Medication Events. <i>Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality</i> , 2014, 36, 5-12.	0.7	13
33	Use of a Portable Functional Near-Infrared Spectroscopy (fNIRS) System to Examine Team Experience During Crisis Event Management in Clinical Simulations. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 85.	2.0	12
34	Time out! Rethinking surgical safety: more than just a checklist. <i>BMJ Quality and Safety</i> , 2021, 30, 613-617.	3.7	12
35	Development of a hand-held computer platform for real-time behavioral assessment of physicians and nurses. <i>Journal of Biomedical Informatics</i> , 2010, 43, 75-80.	4.3	11
36	Prevalence of burnout and its relationship to health status and social support in more than 1000 subspecialty anesthesiologists. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 381-387.	2.3	10

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37	Improving actual handover behavior with a simulation-based training intervention. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 957-961.	0.3	9
38	Real-time Assessment of Nurse Work Environment and Stress. Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality, 2011, 33, 39-48.	0.7	9
39	Reflections on the Current State of Infusion Therapy. Biomedical Instrumentation and Technology, 2016, 50, 253-262.	0.4	8
40	How Do Residents Spend Their Time in the Intensive Care Unit?. American Journal of the Medical Sciences, 2015, 350, 403-408.	1.1	7
41	Emergency Manuals in Context: One Component of Resilient Performance. Anesthesia and Analgesia, 2020, 131, 1812-1814.	2.2	7
42	CYP2D6 Genotype-guided Metoprolol Therapy in Cardiac Surgery Patients: Rationale and Design of the Pharmacogenetic-guided Metoprolol Management for Postoperative Atrial Fibrillation in Cardiac Surgery (PREEMPTIVE) Pilot Study. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 20-28.	1.3	6
43	Improving the Effectiveness of Health Information Technology: The Case for Situational Analytics. Applied Clinical Informatics, 2019, 10, 771-776.	1.7	5
44	Integrating Foundational Sciences in a Clinical Context in the Post-Clerkship Curriculum. Medical Science Educator, 2018, 28, 145-154.	1.5	5
45	Preventing clinical deterioration in cancer outpatients: Human centered design of a predictive model and response system.. Journal of Clinical Oncology, 2022, 40, e13567-e13567.	1.6	3
46	Simulation Training for Rapid Assessment and Improved Teamwork-Lessons Learned from a Project Evaluating Clinical Handoffs. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 668-672.	0.3	2
47	Reliability of simulation-based assessment for practicing physicians: performance is context-specific. BMC Medical Education, 2021, 21, 207.	2.4	2
48	Using Fitbit data to predict clinical deterioration and unplanned treatment events in cancer outpatients.. Journal of Clinical Oncology, 2021, 39, e13560-e13560.	1.6	2
49	Significant Physiological Disturbances in Cases with and Without Non-Routine Events: An Analysis of Videotaped Anesthetics. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 674-678.	0.3	1
50	Self-Reported Subjective Workload of On-Call Interns. Journal of Graduate Medical Education, 2013, 5, 427-432.	1.3	1
51	Using Scenarios Throughout The User-Centered Design Process in Healthcare. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 610-614.	0.3	1
52	Key performance gaps of practicing anesthesiologists: how they contribute to hazards in anesthesiology and proposals for addressing them. International Anesthesiology Clinics, 2020, 58, 13-20.	0.8	1
53	A Pilot Study to Determine the Incidence, Type, and Severity of Non-Routine Events in Neonates Undergoing Gastrostomy Tube Placement. Journal of Pediatric Surgery, 2021, , .	1.6	1
54	Vigilance, Alarms, and Integrated Monitoring Systems. , 2013, , 448-484.		1

#	ARTICLE	IF	CITATIONS
55	Vigilance, Alarms, and Integrated Monitoring Systems. , 2021, , 371-406.		0
56	Ergonomics of the Anesthesia Workspace. , 2013, , 485-509.		0