

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	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
2	Vigilance, Alarms, and Integrated Monitoring Systems. , 2021, , 371-406.		0
3	Prevalence of burnout and its relationship to health status and social support in more than 1000 subspecialty anesthesiologists. Regional Anesthesia and Pain Medicine, 2021, 46, 381-387.	2.3	10
4	Time out! Rethinking surgical safety: more than just a checklist. BMJ Quality and Safety, 2021, 30, 613-617.	3.7	12
5	Reliability of simulation-based assessment for practicing physicians: performance is context-specific. BMC Medical Education, 2021, 21, 207.	2.4	2
6	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
7	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
8	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
9	Health information technology:Fallacies and Sober realities â€“ Redux A homage to Bentzi Karsh and Robert Wears. Applied Ergonomics, 2020, 82, 102973.	3.1	20
10	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
11	Incidence and Classification of Nonroutine Events during Anesthesia Care. Anesthesiology, 2020, 133, 41-52.	2.5	14
12	Emergency Manuals in Context: One Component of Resilient Performance. Anesthesia and Analgesia, 2020, 131, 1812-1814.	2.2	7
13	Use of a Portable Functional Near-Infrared Spectroscopy (fNIRS) System to Examine Team Experience During Crisis Event Management in Clinical Simulations. Frontiers in Human Neuroscience, 2019, 13, 85.	2.0	12
14	Improving the Effectiveness of Health Information Technology: The Case for Situational Analytics. Applied Clinical Informatics, 2019, 10, 771-776.	1.7	5
15	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
16	Integrating Foundational Sciences in a Clinical Context in the Post-clerkship Curriculum. Medical Science Educator, 2018, 28, 145-154.	1.5	18
17	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
18	Human performance measures for the evaluation of process control human-system interfaces in high-fidelity simulations. Applied Ergonomics, 2018, 73, 151-165.	3.1	16

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19	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
20	Integrating Foundational Sciences in a Clinical Context in the Post-Clerkship Curriculum. <i>Medical Science Educator</i> , 2018, 28, 145-154.	1.5	5
21	Simulation-based Assessment of the Management of Critical Events by Board-certified Anesthesiologists. <i>Anesthesiology</i> , 2017, 127, 475-489.	2.5	58
22	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
23	Reflections on the Current State of Infusion Therapy. <i>Biomedical Instrumentation and Technology</i> , 2016, 50, 253-262.	0.4	8
24	A simulation-based curriculum to introduce key teamwork principles to entering medical students. <i>BMC Medical Education</i> , 2016, 16, 295.	2.4	28
25	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
26	How Do Residents Spend Their Time in the Intensive Care Unit?. <i>American Journal of the Medical Sciences</i> , 2015, 350, 403-408.	1.1	7
27	A Multimodal Intervention Improves Postanesthesia Care Unit Handovers. <i>Anesthesia and Analgesia</i> , 2015, 121, 957-971.	2.2	64
28	Impact of electronic health record technology on the work and workflow of physicians in the intensive care unit. <i>International Journal of Medical Informatics</i> , 2015, 84, 578-594.	3.3	124
29	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
30	Human Factors Engineering in Patient Safety. <i>Anesthesiology</i> , 2014, 120, 801-806.	2.5	41
31	Self-Reported Subjective Workload of On-Call Interns. <i>Journal of Graduate Medical Education</i> , 2013, 5, 427-432.	1.3	1
32	Ergonomics of the Anesthesia Workspace. , 2013, , 485-509.		0
33	Vigilance, Alarms, and Integrated Monitoring Systems. , 2013, , 448-484.		1
34	Real-time Assessment of Nurse Work Environment and Stress. <i>Journal for Healthcare Quality: Official Publication of the National Association for Healthcare Quality</i> , 2011, 33, 39-48.	0.7	9
35	The Study of Factors Affecting Human and Systems Performance in Healthcare Using Simulation. <i>Simulation in Healthcare</i> , 2011, 6, S24-S29.	1.2	78
36	Care Coordination in Intensive Care Units: Communicating Across Information Spaces. <i>Human Factors</i> , 2010, 52, 147-161.	3.5	35

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37	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
38	Improving actual handover behavior with a simulation-based training intervention. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2010, 54, 957-961.	0.3	9
39	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
40	Health information technology: fallacies and sober realities. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2010, 17, 617-623.	4.4	302
41	A real-time assessment of work stress in physicians and nurses.. <i>Health Psychology</i> , 2009, 28, 194-200.	1.6	144
42	Significant Physiological Disturbances in Cases with and Without Non-Routine Events: An Analysis of Videotaped Anesthetics. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2009, 53, 674-678.	0.3	1
43	Describing and Modeling Workflow and Information Flow in Chronic Disease Care. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2009, 16, 826-836.	4.4	128
44	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
45	Differences in Day and Night Shift Clinical Performance in Anesthesiology. <i>Human Factors</i> , 2008, 50, 276-290.	3.5	40
46	Simulation Training for Rapid Assessment and Improved Teamwork-Lessons Learned from a Project Evaluating Clinical Handoffs. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2007, 51, 668-672.	0.3	2
47	Applying direct observation to model workflow and assess adoption. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 794-8.	0.2	15
48	Multiple Measures of Anesthesia Workload During Teaching and Nonteaching Cases. <i>Anesthesia and Analgesia</i> , 2004, 98, 1419-1425.	2.2	101
49	The Employment of an Iterative Design Process to Develop a Pulmonary Graphical Display. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2003, 10, 363-372.	4.4	51
50	Retrospective data collection and analytical techniques for patient safety studies. <i>Journal of Biomedical Informatics</i> , 2003, 36, 106-119.	4.3	86
51	Evaluation of Graphic Cardiovascular Display in a High-Fidelity Simulator. <i>Anesthesia and Analgesia</i> , 2003, 97, 1403-1413.	2.2	59
52	Changes in intensive care unit nurse task activity after installation of a third-generation intensive care unit information system. <i>Critical Care Medicine</i> , 2003, 31, 2488-2494.	0.9	134
53	Sleep Deprivation and Clinical Performance. <i>JAMA - Journal of the American Medical Association</i> , 2002, 287, 955.	7.4	313
54	Assessment of the Intrarater and Interrater Reliability of an Established Clinical Task Analysis Methodology. <i>Anesthesiology</i> , 2002, 96, 1129-1139.	2.5	55

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55	Development and Evaluation of a Graphical Anesthesia Drug Display. <i>Anesthesiology</i> , 2002, 96, 565-575.	2.5	76
56	Quantitative description of the workload associated with airway management procedures. <i>Journal of Clinical Anesthesia</i> , 2000, 12, 273-282.	1.6	35