## Warren S Sandberg

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Intermediate acting non-depolarizing neuromuscular blocking agents and risk of postoperative respiratory complications: prospective propensity score matched cohort study. BMJ, The, 2012, 345, e6329-e6329.	6.0	233
2	Deliberate Perioperative Systems Design Improves Operating Room Throughput. Anesthesiology, 2005, 103, 406-418.	2.5	225
3	The Risk and Outcomes of Epidural Hematomas After Perioperative and Obstetric Epidural Catheterization. Anesthesia and Analgesia, 2013, 116, 1380-1385.	2.2	127
4	Automated Documentation Error Detection and Notification Improves Anesthesia Billing Performance. Anesthesiology, 2007, 106, 157-163.	2.5	107
5	Reorganizing patient care and workflow in the operating room: a cost-effectiveness study. Surgery, 2006, 139, 717-728.	1.9	104
6	Real-Time Checking of Electronic Anesthesia Records for Documentation Errors and Automatically Text Messaging Clinicians Improves Quality of Documentation. Anesthesia and Analgesia, 2008, 106, 192-201.	2.2	94
7	Incidence de l'hypoxémie pendant la chirurgie: données probantes de deux institutions. Canadian Journal of Anaesthesia, 2010, 57, 888-897.	1.6	91
8	High-throughput Operating Room System for Joint Arthroplasties Durably Outperforms Routine Processes. Anesthesiology, 2008, 109, 25-35.	2.5	83
9	Modified Rapid Sequence Induction and Intubation. Anesthesia and Analgesia, 2012, 115, 95-101.	2.2	72
10	The Extended Mallampati Score and a Diagnosis of Diabetes Mellitus Are Predictors of Difficult Laryngoscopy in the Morbidly Obese. Anesthesia and Analgesia, 2008, 107, 1919-1923.	2.2	69
11	Operating room design and its impact on operating room economics. Current Opinion in Anaesthesiology, 2006, 19, 185-191.	2.0	68
12	Deficits in Retention for Verbally Presented Medical Information. Anesthesiology, 2012, 117, 772-779.	2.5	67
13	A Model for Understanding the Impacts of Demand and Capacity on Waiting Time to Enter a Congested Recovery Room. Anesthesiology, 2009, 110, 1293-1304.	2.5	64
14	Automatic Notifications Mediated by Anesthesia Information Management Systems Reduce the Frequency of Prolonged Gaps in Blood Pressure Documentation. Anesthesia and Analgesia, 2011, 113, 356-363.	2.2	64
15	The Risk and Outcomes of Epidural Hematomas After Perioperative and Obstetric Epidural Catheterization. Survey of Anesthesiology, 2013, 57, 296-298.	0.1	63
16	Loss of Alveolar Macrophages During Anesthesia and Operation in Humans. Anesthesia and Analgesia, 1995, 81, 1255-1262.	2.2	56
17	Causes of Cancellations on the Day of Surgery at Two Major University Hospitals. Surgical Innovation, 2009, 16, 173-180.	0.9	56
18	In Vivo Characterization of Mutants of the Bacteriophage f1 Gene V Protein Isolated by Saturation Mutagenesis. Journal of Molecular Biology, 1994, 236, 556-571.	4.2	52

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19	Implications of Event Entry Latency on Anesthesia Information Management Decision Support Systems. Anesthesia and Analgesia, 2009, 108, 941-947.	2.2	52
20	An enhanced recovery program for bariatric surgical patients significantly reduces perioperative opioid consumption and postoperative nausea. Surgery for Obesity and Related Diseases, 2018, 14, 849-856.	1.2	50
21	Introducing new technology into the operating room: Measuring the impact on job performance and satisfaction. Surgery, 2005, 137, 518-526.	1.9	49
22	Anesthesia and Airway Management for Tracheal Resection and Reconstruction. International Anesthesiology Clinics, 2000, 38, 55-75.	0.8	49
23	Identification of a General Anesthetic Binding Site in the Diacylglycerol-binding Domain of Protein Kinase Cl´. Journal of Biological Chemistry, 2004, 279, 37964-37972.	3.4	45
24	Maximizing Operating Room and Recovery Room Capacity in an Era of Constrained Resources. Archives of Surgery, 2006, 141, 389.	2.2	45
25	A Perioperative Systems Design to Improve Intraoperative Glucose Monitoring Is Associated with a Reduction in Surgical Site Infections in a Diabetic Patient Population. Anesthesiology, 2017, 126, 431-440.	2.5	45
26	Right- and Left-Sided Mallinckrodt Double-Lumen Tubes Have Identical Clinical Performance. Anesthesia and Analgesia, 2008, 106, 1847-1852.	2.2	42
27	Estimating the Incidence of Suspected Epidural Hematoma and the Hidden Imaging Cost of Epidural Catheterization. Regional Anesthesia and Pain Medicine, 2013, 38, 409-414.	2.3	41
28	Statistical Process Control as a Tool for Monitoring Nonoperative Time. Anesthesiology, 2006, 105, 370-380.	2.5	39
29	Real-Time Alerts and Reminders Using Information Systems. Anesthesiology Clinics, 2011, 29, 389-396.	1.4	38
30	Automatic Detection and Notification of "Wrong Patient—Wrong Location―Errors in the Operating Room. Surgical Innovation, 2005, 12, 253-260.	0.9	37
31	Elective change of surgeon during the OR day has an operationally negligible impact on turnover time. Journal of Clinical Anesthesia, 2014, 26, 343-349.	1.6	37
32	A perioperative consult service results in reduction in cost and length of stay for colorectal surgical patients: evidence from a healthcare redesign project. Perioperative Medicine (London,) Tj ETQq0 0 0 r	gBT <b>1@</b> verlo	ockabo Tf 50 2
33	Pediatric Perioperative Mortality in Kenya. Anesthesiology, 2020, 132, 452-460.	2.5	36
34	Predicting Case Volume from the Accumulating Elective Operating Room Schedule Facilitates Staffing Improvements. Anesthesiology, 2014, 121, 171-183.	2.5	34
35	The changing scope of difficult airway management. Canadian Journal of Anaesthesia, 2013, 60, 1022-1024.	1.6	33
36	Regional Anesthesia, Time to Hospital Discharge, and In-Hospital Mortality. Regional Anesthesia and Pain Medicine, 2014, 39, 381-386.	2.3	32

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37	Monitoring Anesthesia Care Delivery and Perioperative Mortality in Kenya Utilizing a Provider-driven Novel Data Collection Tool. Anesthesiology, 2017, 127, 250-271.	2.5	32
38	Craniocervical Extension Improves the Specificity and Predictive Value of the Mallampati Airway Evaluation. Anesthesia and Analgesia, 2006, 103, 1256-1259.	2.2	31
39	Novel Breathing Circuit Architecture: New Consequences of Old Problems. Anesthesiology, 2004, 100, 755-756.	2.5	30
40	Lack of Utility of a Decision Support System to Mitigate Delays in Admission from the Operating Room to the Postanesthesia Care Unit. Anesthesia and Analgesia, 2013, 117, 1444-1452.	2.2	30
41	Identifying collaborative care teams through electronic medical record utilization patterns. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, e111-e120.	4.4	29
42	Auto Identification Technology and Its Impact on Patient Safety in the Operating Room of the Future. Surgical Innovation, 2007, 14, 41-50.	0.9	28
43	Clinicians Consistently Exceed a Typical Person's Short-Term Memory During Preoperative Teaching. Anesthesia and Analgesia, 2008, 107, 972-978.	2.2	28
44	Automated Near–Real-time Clinical Performance Feedback for Anesthesiology Residents. Anesthesiology, 2014, 120, 172-184.	2.5	28
45	Endobronchial Blocker Dislodgement Leading to Pulseless Electrical Activity. Anesthesia and Analgesia, 2005, 100, 1728-1730.	2.2	27
46	Financial and operational impact of a direct-from-PACU discharge pathway for laparoscopic cholecystectomy patients. Surgery, 2006, 140, 372-378.	1.9	25
47	Anesthesia Information Management Systems: Almost There. Anesthesia and Analgesia, 2008, 107, 1100-1102.	2.2	24
48	Performance Comparison of Right- and Left-Sided Double-Lumen Tubes Among Infrequent Users. Journal of Cardiothoracic and Vascular Anesthesia, 2010, 24, 598-601.	1.3	24
49	The Impact On Hospitals Of Reducing Surgical Complications Suggests Many Will Need Shared Savings Programs With Payers. Health Affairs, 2012, 31, 2571-2578.	5.2	23
50	Repacking protein interiors. Trends in Biotechnology, 1991, 9, 59-63.	9.3	22
51	Relationship between in Vivo Activity and in Vitro Measures of Function and Stability of a Protein. Biochemistry, 1995, 34, 11970-11978.	2.5	22
52	Surgical Field Fire During a Repair of Bronchoesophageal Fistula. Anesthesia and Analgesia, 2005, 100, 1062-1064.	2.2	22
53	Context Dependence of Mutational Effects in a Protein: The Crystal Structures of the V35I, I47V and V35I/I47V Gene V Protein Core Mutants. Journal of Molecular Biology, 1996, 259, 148-159.	4.2	21
54	Using Information Technology to Improve Quality in the OR. Anesthesiology Clinics, 2011, 29, 29-55.	1.4	21

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55	Development and implementation of an integrated mobile situational awareness iPhone application VigiVUTM at an academic medical center. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 721-735.	2.8	21
56	The Meyer-Overton Relationship and Its Exceptions. , 0, , 371-394.		21
57	Rapid Communication: Small Changes in Operative Time Can Yield Discrete Increases in Operating Room Throughput. Journal of Endourology, 2007, 21, 703-708.	2.1	20
58	Modeling the impact of changing patient transportation systems on peri-operative process performance in a large hospital: insights from a computer simulation study. Health Care Management Science, 2012, 15, 155-169.	2.6	20
59	Combining the ASA Physical Classification System and Continuous Intraoperative Surgical Apgar Score Measurement in Predicting Postoperative Risk. Journal of Medical Systems, 2015, 39, 147.	3.6	19
60	A computerized perioperative data integration and display system. International Journal of Computer Assisted Radiology and Surgery, 2007, 2, 191-202.	2.8	18
61	Ongoing Professional Performance Evaluation (OPPE) Using Automatically Captured Electronic Anesthesia Data. Joint Commission Journal on Quality and Patient Safety, 2012, 38, 73-80.	0.7	18
62	Structural and Functional Characterization of an Anesthetic Binding Site in the Second Cysteine-Rich Domain of Protein Kinase Cl´â^—. Biophysical Journal, 2012, 103, 2331-2340.	0.5	17
63	Surgeon Profiling. Archives of Surgery, 2007, 142, 365.	2.2	16
64	Prolonged patient emergence time among clinical anesthesia resident trainees. Journal of Anaesthesiology Clinical Pharmacology, 2016, 32, 446.	0.7	16
65	INCOMING!—A Web Tracking Application for PACU and Post-Surgical Patients. Journal of Surgical Research, 2006, 132, 153-158.	1.6	15
66	Misalignment of Disposable Pulse Oximeter Probes Results in False Saturation Readings That Influence Anesthetic Management. Anesthesia and Analgesia, 2009, 109, 1530-1533.	2.2	15
67	Measuring and Improving First Case On-Time Starts and Analysis of Factors Predicting Delay in Neurosurgical Operating Rooms. Journal of Neurosurgical Anesthesiology, 2015, 27, 203-208.	1.2	15
68	Reducing intraoperative red blood cell unit wastage in a large academic medical center. Transfusion, 2015, 55, 2752-2758.	1.6	14
69	Anesthesiologists and Healthcare Redesign. Anesthesiology, 2016, 125, 618-621.	2.5	14
70	Setting a Research Agenda for Perioperative Systems Design. Surgical Innovation, 2003, 10, 57-70.	0.9	13
71	Shaping the operating room and perioperative systems of the future: innovating for improved competitiveness. Current Opinion in Anaesthesiology, 2010, 23, 765-771.	2.0	13
72	Prospective Investigation of the Operating Room Time-Out Process. Anesthesia and Analgesia, 2020, 130, 725-729.	2.2	13

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73	Barbarians at the Gate. Anesthesia and Analgesia, 2009, 109, 695-699.	2.2	12
74	Disruptive Education. Anesthesiology, 2016, 125, 266-268.	2.5	12
75	An enhanced recovery program in colorectal surgery is associated with decreased organ level rates of complications: a difference-in-differences analysis. Surgical Endoscopy and Other Interventional Techniques, 2019, 33, 2222-2230.	2.4	12
76	Role for rhodanese in Feî—,S formation is doubtful. Trends in Biochemical Sciences, 1987, 12, 56.	7.5	10
77	Crisis Resource Management of the Airway in a Patient with Klippel-Feil Syndrome, Congenital Deafness, and Aortic Dissection. Anesthesia and Analgesia, 2009, 108, 1220-1225.	2.2	10
78	Profound Hypotension After Anesthetic Induction with Propofol in Patients Treated with Rifampin. Anesthesia and Analgesia, 2013, 117, 61-64.	2.2	10
79	Reducing non-operative time: methods and impact on operating room economics. International Journal of Healthcare Technology and Management, 2008, 9, 325.	0.1	9
80	Electronically Mediated Time-out Initiative to Reduce the Incidence of Wrong Surgery. Anesthesiology, 2016, 125, 484-494.	2.5	8
81	Sources of Variation in Anesthetic Drug Costs. Anesthesia and Analgesia, 2018, 126, 1241-1248.	2.2	8
82	Implementation of a Direct-From-Recovery-Room Discharge Pathway: A Process Improvement Effort. Surgical Innovation, 2009, 16, 258-265.	0.9	7
83	Automated Case Cancellation Review System Improves Systems-Based Practice. Journal of Medical Systems, 2015, 39, 134.	3.6	7
84	Automatic Time–Motion Study of a Multistep Preoperative Process. Anesthesiology, 2008, 108, 1109-1116.	2.5	7
85	Case 38-2008. New England Journal of Medicine, 2008, 359, 2587-2597.	27.0	6
86	New technique targeting the C5 nerve root proximal to the traditional interscalene sonoanatomical approach is analgesic for outpatient arthroscopic shoulder surgery. Journal of Clinical Anesthesia, 2016, 34, 79-84.	1.6	6
87	Implementation and Evaluation of the Z-Score System for Normalizing Residency Evaluations. Anesthesiology, 2018, 128, 144-158.	2.5	6
88	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
89	Robots with a Social Memory. Anesthesia and Analgesia, 2010, 111, 19-20.	2.2	5
90	Do You Believe What You See or What You Hear?. Anesthesiology, 2016, 124, 989-991.	2.5	5

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91	The effect of adding goal-directed hemodynamic management for elective patients in an established enhanced recovery program for colorectal surgery: results of quasi-experimental pragmatic trial. Perioperative Medicine (London, England), 2020, 9, 35.	1.5	5
92	Increasing Operating Room Throughput <i>via</i> Â Parallel Processing May Not Require Extra Resources. Anesthesiology, 2009, 110, 435-435.	2.5	5
93	Chapter 10 Lipid Membrane and Ligand-Gated Ion Channels in General Anesthetic Action. Current Topics in Membranes, 1999, 48, 311-350.	0.9	4
94	The Effect of Direct-From-Recovery Room Discharge of Laparoscopic Cholecystectomy Patients on Recovery Room Workload. Surgical Innovation, 2006, 13, 257-264.	0.9	4
95	A survey of modified rapid-sequence induction and intubation in Canadian academic centers. Journal of Clinical Anesthesia, 2013, 25, 515-516.	1.6	4
96	In Response. Anesthesia and Analgesia, 2014, 119, 1452.	2.2	4
97	Patient satisfaction survey scores are not an appropriate metric to differentiate performance among anesthesiologists. Journal of Clinical Anesthesia, 2020, 65, 109814.	1.6	4
98	A controlled study of the effects of patient information-elicitation style on clinician information-giving. Communication and Medicine, 2009, 6, 73-82.	0.2	4
99	Computer automated total perioperative situational awareness and safety systems. International Congress Series, 2005, 1281, 856-861.	0.2	3
100	A retrospective evaluation of the risk of bias in perioperative temperature metrics. Journal of Clinical Monitoring and Computing, 2019, 33, 911-916.	1.6	3
101	Holding some postoperative patients overnight in the post-anesthesia care unit as a tactic to deal with hospital congestion is associated with increased resource length of stay. Perioperative Care and Operating Room Management, 2020, 21, 100111.	0.3	3
102	Understanding the Accuracy of Clinician Provided Estimated Discharge Dates. Journal of Medical Systems, 2022, 46, 2.	3.6	3
103	Implementation of Acceleromyography to Increase Use of Quantitative Neuromuscular Blockade Monitoring: A Quality Improvement Project. AANA Journal, 2018, 86, 269-277.	0.4	3
104	Loss of Alveolar Macrophages During Anesthesia and Operation in Humans. Anesthesia and Analgesia, 1995, 81, 1255-1262.	2.2	2
105	Journal-related Activities and Other Special Activities at the 2015 American Society of Anesthesiologists Annual Meeting. Anesthesiology, 2015, 123, 750-758.	2.5	2
106	Injection Rhymes with Infection?. Anesthesiology, 2016, 124, 752-754.	2.5	2
107	Workflow Eats Optimum Care for Lunch. Anesthesiology, 2018, 129, 864-866.	2.5	2
108	What Happened to the Paresthesia?. Anesthesiology, 2003, 98, 588-588.	2.5	2

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109	Infographics in Anesthesiology. Anesthesiology, 2013, 118, 1456-1456.	2.5	2
110	Intravenous Therapy, Fluid Delivery Systems for Resuscitation, and Cell Salvage Devices. , 2011, , 218-235.		2
111	Legends and Tall Tales. Survey of Anesthesiology, 1998, 42, 178???185.	0.1	1
112	"Just Do It― Anesthesia and Analgesia, 2009, 109, 2029-2030.	2.2	1
113	Assessment Tools. Regional Anesthesia and Pain Medicine, 2015, 40, 299-300.	2.3	1
114	"What Have We Done for Us Lately?―– Defining Performance and Value at the Individual Clinician Level. Anesthesiology Clinics, 2015, 33, 659-677.	1.4	1
115	An Evaluation of Induced Failure Modes in the Belmont® Rapid Infuser. Anesthesia and Analgesia, 2016, 122, 1062-1069.	2.2	1
116	Predicting Daily Surgical Volumes Using Probabilistic Estimates of Providers' Future Availability. Decision Sciences, 2022, 53, 124-149.	4.5	1
117	Increasing Operating Room Throughput. Anesthesiology, 2009, 110, 685-685.	2.5	1
118	Acquisition, durability and impact of parallel processing perioperative system designs in North America. International Congress Series, 2005, 1281, 839-844.	0.2	0
119	The Management and Outcome of Documented Intraoperative Heart Rate–Related Electrocardiographic Changes. Journal of Cardiothoracic and Vascular Anesthesia, 2011, 25, 791-798.	1.3	0
120	Anesthesia for esophageal and gastric surgery. , 0, , 640-646.		0
121	Will a Policy of Refusing Reimbursement for Health Care–Associated Infections Be a Sufficient Incentive to Drive Improvements?. JAMA Internal Medicine, 2014, 174, 823.	5.1	Ο
122	Maintenance of Certification in Anesthesiology Part 4: Improvement in Medical Practice. Advances in Anesthesia, 2015, 33, 157-173.	0.9	0
123	In Reply. Anesthesiology, 2016, 125, 1249-1250.	2.5	Ο
124	Searching for Meaningful Topics of Improvement in Anesthesiology. Anesthesiology, 2016, 124, 261-263.	2.5	0
125	Anesthesia Care Handovers and Risk of Adverse Outcomes. JAMA - Journal of the American Medical Association, 2018, 319, 2236.	7.4	0
126	Transition from Private to Academic Anesthesia Provision Changes Process and Patient Centered Outcomes in an Ambulatory Surgery Center. Journal of Medical Systems, 2020, 44, 204.	3.6	0

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127	December Is for Congregation, Celebration, Operation, Recuperation. Anesthesiology, 2021, 135, 778-780.	2.5	Ο
128	Misleading Behavior of Masimo Pulse Oximeter Tone during Profound Bradycardia. Anesthesiology, 2007, 107, 1038-1039.	2.5	0
129	Patient Warming Devices. , 2011, , 263-270.		0
130	Supraglottic Airway Devices. , 2011, , 72-91.		0
131	Noninvasive Physiological Monitors. , 2011, , 127-147.		0
132	Endotracheal Airway Devices. , 2011, , 111-126.		0
133	Liver disease. , 0, , 49-55.		0
134	Anesthesia for liver transplantation. , 0, , 651-660.		0