

Warren S Sandberg

List of Publications by Year in descending order

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134
papers

3,418
citations

126901

33
h-index

168376

53
g-index

136
all docs

136
docs citations

136
times ranked

2489
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermediate acting non-depolarizing neuromuscular blocking agents and risk of postoperative respiratory complications: prospective propensity score matched cohort study. <i>BMJ</i> , The, 2012, 345, e6329-e6329.	6.0	233
2	Deliberate Perioperative Systems Design Improves Operating Room Throughput. <i>Anesthesiology</i> , 2005, 103, 406-418.	2.5	225
3	The Risk and Outcomes of Epidural Hematomas After Perioperative and Obstetric Epidural Catheterization. <i>Anesthesia and Analgesia</i> , 2013, 116, 1380-1385.	2.2	127
4	Automated Documentation Error Detection and Notification Improves Anesthesia Billing Performance. <i>Anesthesiology</i> , 2007, 106, 157-163.	2.5	107
5	Reorganizing patient care and workflow in the operating room: a cost-effectiveness study. <i>Surgery</i> , 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. <i>Anesthesia and Analgesia</i> , 2008, 106, 192-201.	2.2	94
7	Incidence de l'œ™hypoxœ™mie pendant la chirurgie: donnœ™es probantes de deux institutions. <i>Canadian Journal of Anaesthesia</i> , 2010, 57, 888-897.	1.6	91
8	High-throughput Operating Room System for Joint Arthroplasties Durably Outperforms Routine Processes. <i>Anesthesiology</i> , 2008, 109, 25-35.	2.5	83
9	Modified Rapid Sequence Induction and Intubation. <i>Anesthesia and Analgesia</i> , 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. <i>Anesthesia and Analgesia</i> , 2008, 107, 1919-1923.	2.2	69
11	Operating room design and its impact on operating room economics. <i>Current Opinion in Anaesthesiology</i> , 2006, 19, 185-191.	2.0	68
12	Deficits in Retention for Verbally Presented Medical Information. <i>Anesthesiology</i> , 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. <i>Anesthesiology</i> , 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. <i>Anesthesia and Analgesia</i> , 2011, 113, 356-363.	2.2	64
15	The Risk and Outcomes of Epidural Hematomas After Perioperative and Obstetric Epidural Catheterization. <i>Survey of Anesthesiology</i> , 2013, 57, 296-298.	0.1	63
16	Loss of Alveolar Macrophages During Anesthesia and Operation in Humans. <i>Anesthesia and Analgesia</i> , 1995, 81, 1255-1262.	2.2	56
17	Causes of Cancellations on the Day of Surgery at Two Major University Hospitals. <i>Surgical Innovation</i> , 2009, 16, 173-180.	0.9	56
18	In Vivo Characterization of Mutants of the Bacteriophage f1 Gene V Protein Isolated by Saturation Mutagenesis. <i>Journal of Molecular Biology</i> , 1994, 236, 556-571.	4.2	52

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19	Implications of Event Entry Latency on Anesthesia Information Management Decision Support Systems. <i>Anesthesia and Analgesia</i> , 2009, 108, 941-947.	2.2	52
20	An enhanced recovery program for bariatric surgical patients significantly reduces perioperative opioid consumption and postoperative nausea. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 849-856.	1.2	50
21	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
22	Anesthesia and Airway Management for Tracheal Resection and Reconstruction. <i>International Anesthesiology Clinics</i> , 2000, 38, 55-75.	0.8	49
23	Identification of a General Anesthetic Binding Site in the Diacylglycerol-binding Domain of Protein Kinase C α . <i>Journal of Biological Chemistry</i> , 2004, 279, 37964-37972.	3.4	45
24	Maximizing Operating Room and Recovery Room Capacity in an Era of Constrained Resources. <i>Archives of Surgery</i> , 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. <i>Anesthesiology</i> , 2017, 126, 431-440.	2.5	45
26	Right- and Left-Sided Mallinckrodt Double-Lumen Tubes Have Identical Clinical Performance. <i>Anesthesia and Analgesia</i> , 2008, 106, 1847-1852.	2.2	42
27	Estimating the Incidence of Suspected Epidural Hematoma and the Hidden Imaging Cost of Epidural Catheterization. <i>Regional Anesthesia and Pain Medicine</i> , 2013, 38, 409-414.	2.3	41
28	Statistical Process Control as a Tool for Monitoring Nonoperative Time. <i>Anesthesiology</i> , 2006, 105, 370-380.	2.5	39
29	Real-Time Alerts and Reminders Using Information Systems. <i>Anesthesiology Clinics</i> , 2011, 29, 389-396.	1.4	38
30	Automatic Detection and Notification of "Wrong Patient" "Wrong Location" Errors in the Operating Room. <i>Surgical Innovation</i> , 2005, 12, 253-260.	0.9	37
31	Elective change of surgeon during the OR day has an operationally negligible impact on turnover time. <i>Journal of Clinical Anesthesia</i> , 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. <i>Perioperative Medicine (London,)</i> Tj ETQqO 0 0 rgBT 10 Overlock 10 Tf 50 2	1.0	37
33	Pediatric Perioperative Mortality in Kenya. <i>Anesthesiology</i> , 2020, 132, 452-460.	2.5	36
34	Predicting Case Volume from the Accumulating Elective Operating Room Schedule Facilitates Staffing Improvements. <i>Anesthesiology</i> , 2014, 121, 171-183.	2.5	34
35	The changing scope of difficult airway management. <i>Canadian Journal of Anaesthesia</i> , 2013, 60, 1022-1024.	1.6	33
36	Regional Anesthesia, Time to Hospital Discharge, and In-Hospital Mortality. <i>Regional Anesthesia and Pain Medicine</i> , 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. <i>Anesthesiology</i> , 2017, 127, 250-271.	2.5	32
38	Craniocervical Extension Improves the Specificity and Predictive Value of the Mallampati Airway Evaluation. <i>Anesthesia and Analgesia</i> , 2006, 103, 1256-1259.	2.2	31
39	Novel Breathing Circuit Architecture: New Consequences of Old Problems. <i>Anesthesiology</i> , 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. <i>Anesthesia and Analgesia</i> , 2013, 117, 1444-1452.	2.2	30
41	Identifying collaborative care teams through electronic medical record utilization patterns. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2017, 24, e111-e120.	4.4	29
42	Auto Identification Technology and Its Impact on Patient Safety in the Operating Room of the Future. <i>Surgical Innovation</i> , 2007, 14, 41-50.	0.9	28
43	Clinicians Consistently Exceed a Typical Person's Short-Term Memory During Preoperative Teaching. <i>Anesthesia and Analgesia</i> , 2008, 107, 972-978.	2.2	28
44	Automated Near-Real-time Clinical Performance Feedback for Anesthesiology Residents. <i>Anesthesiology</i> , 2014, 120, 172-184.	2.5	28
45	Endobronchial Blocker Dislodgement Leading to Pulseless Electrical Activity. <i>Anesthesia and Analgesia</i> , 2005, 100, 1728-1730.	2.2	27
46	Financial and operational impact of a direct-from-PACU discharge pathway for laparoscopic cholecystectomy patients. <i>Surgery</i> , 2006, 140, 372-378.	1.9	25
47	Anesthesia Information Management Systems: Almost There. <i>Anesthesia and Analgesia</i> , 2008, 107, 1100-1102.	2.2	24
48	Performance Comparison of Right- and Left-Sided Double-Lumen Tubes Among Infrequent Users. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 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. <i>Health Affairs</i> , 2012, 31, 2571-2578.	5.2	23
50	Repacking protein interiors. <i>Trends in Biotechnology</i> , 1991, 9, 59-63.	9.3	22
51	Relationship between in Vivo Activity and in Vitro Measures of Function and Stability of a Protein. <i>Biochemistry</i> , 1995, 34, 11970-11978.	2.5	22
52	Surgical Field Fire During a Repair of Bronchoesophageal Fistula. <i>Anesthesia and Analgesia</i> , 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. <i>Journal of Molecular Biology</i> , 1996, 259, 148-159.	4.2	21
54	Using Information Technology to Improve Quality in the OR. <i>Anesthesiology Clinics</i> , 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. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 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. <i>Journal of Endourology</i> , 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. <i>Health Care Management Science</i> , 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. <i>Journal of Medical Systems</i> , 2015, 39, 147.	3.6	19
60	A computerized perioperative data integration and display system. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2007, 2, 191-202.	2.8	18
61	Ongoing Professional Performance Evaluation (OPPE) Using Automatically Captured Electronic Anesthesia Data. <i>Joint Commission Journal on Quality and Patient Safety</i> , 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 C α . <i>Biophysical Journal</i> , 2012, 103, 2331-2340.	0.5	17
63	Surgeon Profiling. <i>Archives of Surgery</i> , 2007, 142, 365.	2.2	16
64	Prolonged patient emergence time among clinical anesthesia resident trainees. <i>Journal of Anaesthesiology Clinical Pharmacology</i> , 2016, 32, 446.	0.7	16
65	INCOMING!â€”A Web Tracking Application for PACU and Post-Surgical Patients. <i>Journal of Surgical Research</i> , 2006, 132, 153-158.	1.6	15
66	Misalignment of Disposable Pulse Oximeter Probes Results in False Saturation Readings That Influence Anesthetic Management. <i>Anesthesia and Analgesia</i> , 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. <i>Journal of Neurosurgical Anesthesiology</i> , 2015, 27, 203-208.	1.2	15
68	Reducing intraoperative red blood cell unit wastage in a large academic medical center. <i>Transfusion</i> , 2015, 55, 2752-2758.	1.6	14
69	Anesthesiologists and Healthcare Redesign. <i>Anesthesiology</i> , 2016, 125, 618-621.	2.5	14
70	Setting a Research Agenda for Perioperative Systems Design. <i>Surgical Innovation</i> , 2003, 10, 57-70.	0.9	13
71	Shaping the operating room and perioperative systems of the future: innovating for improved competitiveness. <i>Current Opinion in Anaesthesiology</i> , 2010, 23, 765-771.	2.0	13
72	Prospective Investigation of the Operating Room Time-Out Process. <i>Anesthesia and Analgesia</i> , 2020, 130, 725-729.	2.2	13

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73	Barbarians at the Gate. <i>Anesthesia and Analgesia</i> , 2009, 109, 695-699.	2.2	12
74	Disruptive Education. <i>Anesthesiology</i> , 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. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2019, 33, 2222-2230.	2.4	12
76	Role for rhodanese in Fe ²⁺ -S formation is doubtful. <i>Trends in Biochemical Sciences</i> , 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. <i>Anesthesia and Analgesia</i> , 2009, 108, 1220-1225.	2.2	10
78	Profound Hypotension After Anesthetic Induction with Propofol in Patients Treated with Rifampin. <i>Anesthesia and Analgesia</i> , 2013, 117, 61-64.	2.2	10
79	Reducing non-operative time: methods and impact on operating room economics. <i>International Journal of Healthcare Technology and Management</i> , 2008, 9, 325.	0.1	9
80	Electronically Mediated Time-out Initiative to Reduce the Incidence of Wrong Surgery. <i>Anesthesiology</i> , 2016, 125, 484-494.	2.5	8
81	Sources of Variation in Anesthetic Drug Costs. <i>Anesthesia and Analgesia</i> , 2018, 126, 1241-1248.	2.2	8
82	Implementation of a Direct-From-Recovery-Room Discharge Pathway: A Process Improvement Effort. <i>Surgical Innovation</i> , 2009, 16, 258-265.	0.9	7
83	Automated Case Cancellation Review System Improves Systems-Based Practice. <i>Journal of Medical Systems</i> , 2015, 39, 134.	3.6	7
84	Automatic Time-out Motion Study of a Multistep Preoperative Process. <i>Anesthesiology</i> , 2008, 108, 1109-1116.	2.5	7
85	Case 38-2008. <i>New England Journal of Medicine</i> , 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. <i>Journal of Clinical Anesthesia</i> , 2016, 34, 79-84.	1.6	6
87	Implementation and Evaluation of the Z-Score System for Normalizing Residency Evaluations. <i>Anesthesiology</i> , 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. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 20-28.	1.3	6
89	Robots with a Social Memory. <i>Anesthesia and Analgesia</i> , 2010, 111, 19-20.	2.2	5
90	Do You Believe What You See or What You Hear?. <i>Anesthesiology</i> , 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. <i>Perioperative Medicine</i> (London, England), 2020, 9, 35.	1.5	5
92	Increasing Operating Room Throughput <i>via</i> Parallel Processing May Not Require Extra Resources. <i>Anesthesiology</i> , 2009, 110, 435-435.	2.5	5
93	Chapter 10 Lipid Membrane and Ligand-Gated Ion Channels in General Anesthetic Action. <i>Current Topics in Membranes</i> , 1999, 48, 311-350.	0.9	4
94	The Effect of Direct-From-Recovery Room Discharge of Laparoscopic Cholecystectomy Patients on Recovery Room Workload. <i>Surgical Innovation</i> , 2006, 13, 257-264.	0.9	4
95	A survey of modified rapid-sequence induction and intubation in Canadian academic centers. <i>Journal of Clinical Anesthesia</i> , 2013, 25, 515-516.	1.6	4
96	In Response. <i>Anesthesia and Analgesia</i> , 2014, 119, 1452.	2.2	4
97	Patient satisfaction survey scores are not an appropriate metric to differentiate performance among anesthesiologists. <i>Journal of Clinical Anesthesia</i> , 2020, 65, 109814.	1.6	4
98	A controlled study of the effects of patient information-elicitation style on clinician information-giving. <i>Communication and Medicine</i> , 2009, 6, 73-82.	0.2	4
99	Computer automated total perioperative situational awareness and safety systems. <i>International Congress Series</i> , 2005, 1281, 856-861.	0.2	3
100	A retrospective evaluation of the risk of bias in perioperative temperature metrics. <i>Journal of Clinical Monitoring and Computing</i> , 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. <i>Perioperative Care and Operating Room Management</i> , 2020, 21, 100111.	0.3	3
102	Understanding the Accuracy of Clinician Provided Estimated Discharge Dates. <i>Journal of Medical Systems</i> , 2022, 46, 2.	3.6	3
103	Implementation of Acceleromyography to Increase Use of Quantitative Neuromuscular Blockade Monitoring: A Quality Improvement Project. <i>AANA Journal</i> , 2018, 86, 269-277.	0.4	3
104	Loss of Alveolar Macrophages During Anesthesia and Operation in Humans. <i>Anesthesia and Analgesia</i> , 1995, 81, 1255-1262.	2.2	2
105	Journal-related Activities and Other Special Activities at the 2015 American Society of Anesthesiologists Annual Meeting. <i>Anesthesiology</i> , 2015, 123, 750-758.	2.5	2
106	Injection Rhymes with Infection?. <i>Anesthesiology</i> , 2016, 124, 752-754.	2.5	2
107	Workflow Eats Optimum Care for Lunch. <i>Anesthesiology</i> , 2018, 129, 864-866.	2.5	2
108	What Happened to the Paresthesia?. <i>Anesthesiology</i> , 2003, 98, 588-588.	2.5	2

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109	Infographics in Anesthesiology. <i>Anesthesiology</i> , 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. <i>Survey of Anesthesiology</i> , 1998, 42, 178-185.	0.1	1
112	“Just Do It”. <i>Anesthesia and Analgesia</i> , 2009, 109, 2029-2030.	2.2	1
113	Assessment Tools. <i>Regional Anesthesia and Pain Medicine</i> , 2015, 40, 299-300.	2.3	1
114	“What Have We Done for Us Lately?” Defining Performance and Value at the Individual Clinician Level. <i>Anesthesiology Clinics</i> , 2015, 33, 659-677.	1.4	1
115	An Evaluation of Induced Failure Modes in the Belmont® Rapid Infuser. <i>Anesthesia and Analgesia</i> , 2016, 122, 1062-1069.	2.2	1
116	Predicting Daily Surgical Volumes Using Probabilistic Estimates of Providers’ Future Availability. <i>Decision Sciences</i> , 2022, 53, 124-149.	4.5	1
117	Increasing Operating Room Throughput. <i>Anesthesiology</i> , 2009, 110, 685-685.	2.5	1
118	Acquisition, durability and impact of parallel processing perioperative system designs in North America. <i>International Congress Series</i> , 2005, 1281, 839-844.	0.2	0
119	The Management and Outcome of Documented Intraoperative Heart Rate-Related Electrocardiographic Changes. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 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?. <i>JAMA Internal Medicine</i> , 2014, 174, 823.	5.1	0
122	Maintenance of Certification in Anesthesiology Part 4: Improvement in Medical Practice. <i>Advances in Anesthesia</i> , 2015, 33, 157-173.	0.9	0
123	In Reply. <i>Anesthesiology</i> , 2016, 125, 1249-1250.	2.5	0
124	Searching for Meaningful Topics of Improvement in Anesthesiology. <i>Anesthesiology</i> , 2016, 124, 261-263.	2.5	0
125	Anesthesia Care Handovers and Risk of Adverse Outcomes. <i>JAMA - Journal of the American Medical Association</i> , 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. <i>Journal of Medical Systems</i> , 2020, 44, 204.	3.6	0

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127	December Is for Congregation, Celebration, Operation, Recuperation. <i>Anesthesiology</i> , 2021, 135, 778-780.	2.5	0
128	Misleading Behavior of Masimo Pulse Oximeter Tone during Profound Bradycardia. <i>Anesthesiology</i> , 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