

# Steven K Howard

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

4,097  
citations

236925

25  
h-index

114465

63  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue among Clinicians and the Safety of Patients. <i>New England Journal of Medicine</i> , 2002, 347, 1249-1255.	27.0	610
2	Simulation-Based Training in Anesthesia Crisis Resource Management (ACRM): A Decade of Experience. <i>Simulation and Gaming</i> , 2001, 32, 175-193.	1.9	582
3	Situation Awareness in Anesthesiology. <i>Human Factors</i> , 1995, 37, 20-31.	3.5	267
4	Simulation Study of Rested Versus Sleep-deprived Anesthesiologists. <i>Anesthesiology</i> , 2003, 98, 1345-1355.	2.5	189
5	Use of Cognitive Aids in a Simulated Anesthetic Crisis. <i>Anesthesia and Analgesia</i> , 2006, 103, 551-556.	2.2	189
6	Emergency Medicine Crisis Resource Management (EMCRM): Pilot Study of a Simulation-based Crisis Management Course for Emergency Medicine. <i>Academic Emergency Medicine</i> , 2003, 10, 386-389.	1.8	188
7	Use of a fully simulated intensive care unit environment for critical event management training for internal medicine residents*. <i>Critical Care Medicine</i> , 2003, 31, 2437-2443.	0.9	187
8	Improving Alertness and Performance in Emergency Department Physicians and Nurses: The Use of Planned Naps. <i>Annals of Emergency Medicine</i> , 2006, 48, 596-604.e3.	0.6	175
9	The Risks and Implications of Excessive Daytime Sleepiness in Resident Physicians. <i>Academic Medicine</i> , 2002, 77, 1019-1025.	1.6	167
10	Implementing Emergency Manuals. <i>Anesthesia and Analgesia</i> , 2013, 117, 1149-1161.	2.2	155
11	Fatigue in Anesthesia. <i>Anesthesiology</i> , 2002, 97, 1281-1294.	2.5	153
12	Continuous Adductor Canal Blocks Are Superior to Continuous Femoral Nerve Blocks in Promoting Early Ambulation After TKA. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 1377-1383.	1.5	117
13	So Many Roads: Facilitated Debriefing in Healthcare. <i>Simulation in Healthcare</i> , 2006, 1, 23-25.	1.2	109
14	Trauma Training in Simulation: Translating Skills From SIM Time to Real Time. <i>Journal of Trauma</i> , 2008, 64, 255-264.	2.3	105
15	Coordination Patterns Related to High Clinical Performance in a Simulated Anesthetic Crisis. <i>Anesthesia and Analgesia</i> , 2009, 108, 1606-1615.	2.2	100
16	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
17	Adaptive coordination in cardiac anaesthesia: a study of situational changes in coordination patterns using a new observation system. <i>Ergonomics</i> , 2008, 51, 1153-1178.	2.1	73
18	Emergency Manual Uses During Actual Critical Events and Changes in Safety Culture From the Perspective of Anesthesia Residents: A Pilot Study. <i>Anesthesia and Analgesia</i> , 2016, 123, 641-649.	2.2	55

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19	A Randomized Comparison of Proximal and Distal Ultrasound-Guided Adductor Canal Catheter Insertion Sites for Knee Arthroplasty. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 1653-1662.	1.7	48
20	External Validation of Simulation-Based Assessments With Other Performance Measures of Third-Year Anesthesiology Residents. <i>Simulation in Healthcare</i> , 2012, 7, 73-80.	1.2	33
21	Use of Medical Simulation to Explore Equipment Failures and Human-Machine Interactions in Anesthesia Machine Pipeline Supply Crossover. <i>Anesthesia and Analgesia</i> , 2010, 110, 1292-1296.	2.2	32
22	Preliminary Experience Using Eye-Tracking Technology to Differentiate Novice and Expert Image Interpretation for Ultrasound-Guided Regional Anesthesia. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 329-336.	1.7	32
23	A Randomized Comparison of Long-and Short-Axis Imaging for In-Plane Ultrasound-Guided Femoral Perineural Catheter Insertion. <i>Journal of Ultrasound in Medicine</i> , 2013, 32, 149-156.	1.7	30
24	Feasibility of eye-tracking technology to quantify expertise in ultrasound-guided regional anesthesia. <i>Journal of Anesthesia</i> , 2016, 30, 530-533.	1.7	29
25	Design and Implementation of a Perioperative Surgical Home at a Veterans Affairs Hospital. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2016, 20, 133-140.	1.0	28
26	Simulation in teaching regional anesthesia: current perspectives. <i>Local and Regional Anesthesia</i> , 2015, 8, 33.	1.3	27
27	An In Vitro Study to Evaluate the Utility of the "Air Test" to Infer Perineural Catheter Tip Location. <i>Journal of Ultrasound in Medicine</i> , 2013, 32, 529-533.	1.7	26
28	Sleep Deprivation and Physician Performance: Why Should I Care?. <i>Baylor University Medical Center Proceedings</i> , 2005, 18, 108-112.	0.5	22
29	Availability and Readability of Online Patient Education Materials Regarding Regional Anesthesia Techniques for Perioperative Pain Management. <i>Pain Medicine</i> , 2017, 18, pnw179.	1.9	20
30	The Perioperative Surgical Home model facilitates change implementation in anesthetic technique within a clinical pathway for total knee arthroplasty. <i>Healthcare</i> , 2016, 4, 334-339.	1.3	20
31	Virtual reality distraction decreases routine intravenous sedation and procedure-related pain during preoperative adductor canal catheter insertion: a retrospective study. <i>Korean Journal of Anesthesiology</i> , 2017, 70, 439.	2.5	19
32	Clinical Uses and Impacts of Emergency Manuals During Perioperative Crises. <i>Anesthesia and Analgesia</i> , 2020, 131, 1815-1826.	2.2	16
33	An ultrasound-guided fascia iliaca catheter technique does not impair ambulatory ability within a clinical pathway for total hip arthroplasty. <i>Korean Journal of Anesthesiology</i> , 2016, 69, 368.	2.5	16
34	Quality of Patient Education Materials on Safe Opioid Management in the Acute Perioperative Period: What Do Patients Find Online?. <i>Pain Medicine</i> , 2020, 21, 171-175.	1.9	14
35	Trainee fatigue: Are new limits on work hours enough?. <i>Cmaj</i> , 2004, 170, 975-976.	2.0	13
36	Value of expert systems, quick reference guides and other cognitive aids. <i>Current Opinion in Anaesthesiology</i> , 2014, 27, 643-648.	2.0	13

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37	A randomized comparison of long-axis and short-axis imaging for in-plane ultrasound-guided popliteal-sciatic perineural catheter insertion. <i>Journal of Anesthesia</i> , 2014, 28, 854-860.	1.7	12
38	Comparative Effectiveness of Infraclavicular and Supraclavicular Perineural Catheters for Ultrasound-Guided Through-the-Catheter Bolus Anesthesia. <i>Journal of Ultrasound in Medicine</i> , 2015, 34, 333-340.	1.7	11
39	A retrospective comparative provider workload analysis for femoral nerve and adductor canal catheters following knee arthroplasty. <i>Journal of Anesthesia</i> , 2015, 29, 303-307.	1.7	10
40	Factors influencing vigilance and performance of anesthetists. <i>Current Opinion in Anaesthesiology</i> , 1998, 11, 651-657.	2.0	10
41	Implementation of clinical practice changes by experienced anesthesiologists after simulation-based ultrasound-guided regional anesthesia training. <i>Korean Journal of Anesthesiology</i> , 2017, 70, 318.	2.5	9
42	A Pilot In Vitro Evaluation of the "Air Test" for Perineural Catheter Tip Localization by a Novice Regional Anesthesiologist. <i>Journal of Ultrasound in Medicine</i> , 2014, 33, 2197-2200.	1.7	8
43	A pilot study to assess adductor canal catheter tip migration in a cadaver model. <i>Journal of Anesthesia</i> , 2015, 29, 308-312.	1.7	8
44	Use of an Emergency Manual During an Intraoperative Cardiac Arrest by an Interprofessional Team: A Positive-Exemplar Case Study of a New Patient Safety Tool. <i>Joint Commission Journal on Quality and Patient Safety</i> , 2018, 44, 477-484.	0.7	8
45	Outcomes of Ambulatory Upper Extremity Surgery Patients Discharged Home with Perineural Catheters from a Veterans Health Administration Medical Center. <i>Pain Medicine</i> , 2019, 20, 2256-2262.	1.9	7
46	Peripheral nerve blocks are not associated with increased risk of perioperative peripheral nerve injury in a Veterans Affairs inpatient surgical population. <i>Regional Anesthesia and Pain Medicine</i> , 2019, 44, 81-85.	2.3	7
47	Can bedside patient-reported numbness predict postoperative ambulation ability for total knee arthroplasty patients with nerve block catheters?. <i>Korean Journal of Anesthesiology</i> , 2016, 69, 32.	2.5	7
48	Comparison of catheter tip migration using flexible and stimulating catheters inserted into the adductor canal in a cadaver model. <i>Journal of Anesthesia</i> , 2015, 29, 471-474.	1.7	6
49	A matched case-control comparison of hospital costs and outcomes for knee replacement patients admitted postoperatively to acute care versus rehabilitation. <i>Journal of Anesthesia</i> , 2017, 31, 785-788.	1.7	6
50	Using eye tracking technology to compare the effectiveness of malignant hyperthermia cognitive aid design. <i>Korean Journal of Anesthesiology</i> , 2018, 71, 317-322.	2.5	6
51	A tale of two surges: messaging app and public COVID-19 data summarize one anesthesiology practice's pandemic year in review. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1828-1830.	1.6	6
52	Simulation as a New Tool to Establish Benchmark Outcome Measures in Obstetrics. <i>PLoS ONE</i> , 2015, 10, e0131064.	2.5	5
53	Comparative Effectiveness of Two Ultrasound-Guided Regional Block Techniques for Surgical Anesthesia in Open Unilateral Inguinal Hernia Repair. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 177-182.	1.7	4
54	A Pilot Project Using Eye-Tracking Technology to Design a Standardised Anaesthesia Workspace. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2018, 46, 411-415.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Letter to the Editor. American Journal of Surgery, 2006, 192, 139.	1.8	3
56	Perioperative ACLS/Cognitive Aids in Resuscitation. International Anesthesiology Clinics, 2017, 55, 4-18.	0.8	3
57	A short, sustainable intervention to help reduce day of surgery smoking rates among patients undergoing elective surgery. Journal of Clinical Anesthesia, 2019, 58, 35-36.	1.6	3
58	A Multidisciplinary Perioperative Intervention to Improve Positive Airway Pressure Adherence in Patients With Obstructive Sleep Apnea. A&A Practice, 2020, 14, 119-122.	0.4	3
59	A comparison of strength for two continuous peripheral nerve block catheter dressings. Korean Journal of Anesthesiology, 2016, 69, 506.	2.5	3
60	Randomized comparison of popliteal-sciatic perineural catheter tip migration and dislocation in a cadaver model using two catheter designs. Korean Journal of Anesthesiology, 2017, 70, 72.	2.5	3
61	Feasibility of an Internet-Based Global Ranking Instrument. Journal of Graduate Medical Education, 2011, 3, 67-74.	1.3	2
62	In Response. Anesthesia and Analgesia, 2014, 118, 1389-1390.	2.2	2
63	Self-regulation as a central mechanism to collaboratively manage unexpected events in complex work environments. , 2006, , .		1
64	Healthcare Handover and Patient Safety. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 947-948.	0.3	1
65	Comparative Echogenicity of an Epidural Catheter and 2 New Catheters Designed for Ultrasound-Guided Continuous Peripheral Nerve Blocks. Journal of Ultrasound in Medicine, 2017, 36, 2571-2576.	1.7	1
66	Fatigue in Anesthesia—the Impact on Patient and Provider Safety: Update on Work-Hour Limitations. Advances in Anesthesia, 2006, 24, 85-107.	0.9	0
67	Cognitive Aids in a Simulated Anesthetic Crisis. Anesthesia and Analgesia, 2007, 104, 1293.	2.2	0
68	The impaired anesthesiologist — sleep deprivation. , 0, , 224-229.		0
69	Improving Patient Safety in the Heart Room through Simulation. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 876-878.	0.3	0
70	Pilot study to correlate objective eye-tracking data with timed subjective task completion using five local anesthetic systemic toxicity cognitive aids. Regional Anesthesia and Pain Medicine, 2021, 46, rapm-2021-102547.	2.3	0