

# Sachin Kheterpal

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

6,057  
citations

304743

22  
h-index

110387

64  
g-index

75  
all docs

75  
docs citations

75  
times ranked

7330  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Persistent Opioid Use After Minor and Major Surgical Procedures in US Adults. JAMA Surgery, 2017, 152, e170504.	4.3	1,482
2	Incidence and Predictors of Difficult and Impossible Mask Ventilation. Anesthesiology, 2006, 105, 885-891.	2.5	570
3	Biobank-driven genomic discovery yields new insight into atrial fibrillation biology. Nature Genetics, 2018, 50, 1234-1239.	21.4	547
4	Development and Validation of an Acute Kidney Injury Risk Index for Patients Undergoing General Surgery. Anesthesiology, 2009, 110, 505-515.	2.5	484
5	Predictors of Postoperative Acute Renal Failure after Noncardiac Surgery in Patients with Previously Normal Renal Function. Anesthesiology, 2007, 107, 892-902.	2.5	457
6	Prediction and Outcomes of Impossible Mask Ventilation. Anesthesiology, 2009, 110, 891-897.	2.5	410
7	Incidence, Predictors, and Outcome of Difficult Mask Ventilation Combined with Difficult Laryngoscopy. Anesthesiology, 2013, 119, 1360-1369.	2.5	296
8	Preoperative and Intraoperative Predictors of Cardiac Adverse Events after General, Vascular, and Urological Surgery. Anesthesiology, 2009, 110, 58-66.	2.5	241
9	Sugammadex versus Neostigmine for Reversal of Neuromuscular Blockade and Postoperative Pulmonary Complications (STRONGER). Anesthesiology, 2020, 132, 1371-1381.	2.5	184
10	Association of Polygenic Risk Scores for Multiple Cancers in a Phenome-wide Study: Results from The Michigan Genomics Initiative. American Journal of Human Genetics, 2018, 102, 1048-1061.	6.2	147
11	Chronic Angiotensin-Converting Enzyme Inhibitor or Angiotensin Receptor Blocker Therapy Combined With Diuretic Therapy is Associated With Increased Episodes of Hypotension in Noncardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2008, 22, 180-186.	1.3	128
12	Electronic Reminders Improve Procedure Documentation Compliance and Professional Fee Reimbursement. Anesthesia and Analgesia, 2007, 104, 592-597.	2.2	95
13	Protein-altering and regulatory genetic variants near GATA4 implicated in bicuspid aortic valve. Nature Communications, 2017, 8, 15481.	12.8	90
14	Clinical Research Using an Information System: The Multicenter Perioperative Outcomes Group. Anesthesiology Clinics, 2011, 29, 377-388.	1.4	79
15	Considerations for Integration of Perioperative Electronic Health Records Across Institutions for Research and Quality Improvement: The Approach Taken by the Multicenter Perioperative Outcomes Group. Anesthesia and Analgesia, 2020, 130, 1133-1146.	2.2	75
16	Impact of a Novel Multiparameter Decision Support System on Intraoperative Processes of Care and Postoperative Outcomes. Anesthesiology, 2018, 128, 272-282.	2.5	68
17	Association of Overlapping Surgery With Perioperative Outcomes. JAMA - Journal of the American Medical Association, 2019, 321, 762.	7.4	62
18	Risk of Major Complications After Perioperative Norepinephrine Infusion Through Peripheral Intravenous Lines in a Multicenter Study. Anesthesia and Analgesia, 2020, 131, 1060-1065.	2.2	58

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19	Sex-specific and pleiotropic effects underlying kidney function identified from GWAS meta-analysis. <i>Nature Communications</i> , 2019, 10, 1847.	12.8	55
20	Loss-of-function genomic variants highlight potential therapeutic targets for cardiovascular disease. <i>Nature Communications</i> , 2020, 11, 6417.	12.8	39
21	Wearable device signals and home blood pressure data across age, sex, race, ethnicity, and clinical phenotypes in the Michigan Predictive Activity & Clinical Trajectories in Health (MIPACT) study: a prospective, community-based observational study. <i>The Lancet Digital Health</i> , 2021, 3, e707-e715.	12.3	30
22	Complications Associated With Mortality in the National Surgical Quality Improvement Program Database. <i>Anesthesia and Analgesia</i> , 2018, 127, 55-62.	2.2	29
23	Exploring various polygenic risk scores for skin cancer in the phenomes of the Michigan genomics initiative and the UK Biobank with a visual catalog: PRSWeb. <i>PLoS Genetics</i> , 2019, 15, e1008202.	3.5	28
24	Intraoperative hyperglycemia is independently associated with infectious complications after non-cardiac surgery. <i>BMC Anesthesiology</i> , 2018, 18, 90.	1.8	21
25	Management of 1-Lung Ventilation—Variation and Trends in Clinical Practice: A Report From the Multicenter Perioperative Outcomes Group. <i>Anesthesia and Analgesia</i> , 2018, 126, 495-502.	2.2	19
26	Adherence to Guidelines for the Administration of Intraoperative Antibiotics in a Nationwide US Sample. <i>JAMA Network Open</i> , 2021, 4, e2137296.	5.9	17
27	Intraoperative medications associated with hemodynamically significant anaphylaxis. <i>Journal of Clinical Anesthesia</i> , 2016, 35, 415-423.	1.6	16
28	An observational study of end-tidal carbon dioxide trends in general anesthesia. <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 149-160.	1.6	15
29	The incidence of intraoperative hypotension in moderate to high risk patients undergoing non-cardiac surgery: A retrospective multicenter observational analysis. <i>Journal of Clinical Anesthesia</i> , 2020, 66, 109961.	1.6	15
30	Workforce and Finances of the United States Anesthesiology Training Programs. <i>Anesthesia and Analgesia</i> , 2011, 112, 1480-1486.	2.2	14
31	Response of US hospitals to elective surgical cases in the COVID-19 pandemic. <i>British Journal of Anaesthesia</i> , 2021, 126, e46-e48.	3.4	14
32	LabWAS: Novel findings and study design recommendations from a meta-analysis of clinical labs in two independent biobanks. <i>PLoS Genetics</i> , 2020, 16, e1009077.	3.5	14
33	Overcoming barriers in the design and implementation of clinical trials for acute kidney injury: a report from the 2020 Kidney Disease Clinical Trialists meeting. <i>Nephrology Dialysis Transplantation</i> , 2023, 38, 834-844.	0.7	14
34	Frequency and Risk Factors for Difficult Intubation in Women Undergoing General Anesthesia for Cesarean Delivery: A Multicenter Retrospective Cohort Analysis. <i>Anesthesiology</i> , 2022, 136, 697-708.	2.5	14
35	Sharing Health Data and Biospecimens with Industry — A Principle-Driven, Practical Approach. <i>New England Journal of Medicine</i> , 2020, 382, 2072-2075.	27.0	13
36	Utilization Patterns of Perioperative Neuromuscular Blockade Reversal in the United States: A Retrospective Observational Study From the Multicenter Perioperative Outcomes Group. <i>Anesthesia and Analgesia</i> , 2020, 131, 1510-1519.	2.2	13

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37	Intraoperative risk factors of acute kidney injury after liver transplantation. <i>Liver Transplantation</i> , 2022, 28, 1207-1223.	2.4	13
38	Association of propofol induction dose and severe pre-incision hypotension among surgical patients over age 65. <i>Journal of Clinical Anesthesia</i> , 2022, 80, 110846.	1.6	13
39	Six-Year Follow-Up on Work Force and Finances of the United States Anesthesiology Training Programs: 2000 to 2006. <i>Anesthesia and Analgesia</i> , 2009, 108, 263-272.	2.2	12
40	Seventh and Eighth Year Follow-Up on Workforce and Finances of the United States Anesthesiology Training Programs: 2007 and 2008. <i>Anesthesia and Analgesia</i> , 2009, 109, 897-899.	2.2	12
41	Association of intraoperative hyperglycemia and postoperative outcomes in patients undergoing non-cardiac surgery: a multicenter retrospective study. <i>BMC Anesthesiology</i> , 2020, 20, 106.	1.8	11
42	Variation in propofol induction doses administered to surgical patients over age 65. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 2195-2209.	2.6	11
43	Hypoxemia in Young Children Undergoing One-lung Ventilation: A Retrospective Cohort Study. <i>Anesthesiology</i> , 2021, 135, 842-853.	2.5	11
44	Frequency of inadequate neuromuscular blockade during general anesthesia. <i>Journal of Clinical Anesthesia</i> , 2017, 36, 16-20.	1.6	10
45	Protocol for the Effectiveness of an Anesthesiology Control Tower System in Improving Perioperative Quality Metrics and Clinical Outcomes: the TECTONICS randomized, pragmatic trial. <i>F1000Research</i> , 2019, 8, 2032.	1.6	10
46	The Association Between Urine Output, Creatinine Elevation, and Death. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1229-1237.	1.3	9
47	Influence of non-invasive blood pressure measurement intervals on the occurrence of intra-operative hypotension. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 699-705.	1.6	9
48	Use of a Polygenic Risk Score Improves Prediction of Myocardial Injury After Non-Cardiac Surgery. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002817.	3.6	9
49	Practice Patterns and Variability in Intraoperative Opioid Utilization: A Report From the Multicenter Perioperative Outcomes Group. <i>Anesthesia and Analgesia</i> , 2022, 134, 8-17.	2.2	9
50	Genetic mutations associated with susceptibility to perioperative complications in a longitudinal biorepository with integrated genomic and electronic health records. <i>British Journal of Anaesthesia</i> , 2020, 125, 986-994.	3.4	9
51	Virtual AppLication-supported Environment To INcrease Exercise (VALENTINE) during cardiac rehabilitation study: Rationale and design. <i>American Heart Journal</i> , 2022, 248, 53-62.	2.7	9
52	Digitising the prediction and management of sepsis. <i>Lancet, The</i> , 2022, 399, 1459.	13.7	8
53	Opportunities Beyond the Anesthesiology Department: Broader Impact Through Broader Thinking. <i>Anesthesia and Analgesia</i> , 2022, 134, 242-252.	2.2	7
54	Multicentre analysis of practice patterns regarding benzodiazepine use in cardiac surgery. <i>British Journal of Anaesthesia</i> , 2022, 128, 772-784.	3.4	5

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55	Understanding Baseline Physical Activity in Cardiac Rehabilitation Enrollees Using Mobile Health Technologies. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2022, , .	2.2	5
56	Less Is More. <i>Anesthesiology</i> , 2014, 120, 1067-1068.	2.5	4
57	The Impact of a Dedicated Research Education Month for Anesthesiology Residents. <i>Anesthesiology Research and Practice</i> , 2015, 2015, 1-4.	0.7	4
58	Multicenter Perioperative Outcomes Group Enhanced Observation Study Postoperative Pain Profiles, Analgesic Use, and Transition to Chronic Pain and Excessive and Prolonged Opioid Use Patterns Methodology. <i>Anesthesia and Analgesia</i> , 2020, 130, 1702-1708.	2.2	4
59	In the Land of the Blind, the One-eyed Man Is King. <i>Anesthesiology</i> , 2014, 120, 523-525.	2.5	2
60	Observational study on patterns of neuromuscular blockade reversal. <i>BMC Anesthesiology</i> , 2016, 16, 103.	1.8	2
61	Newer isnâ€™t always better: comparative effectiveness of sevoflurane and isoflurane in cardiac surgery. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 1117-1121.	1.6	2
62	Use of Cockcroft and Gault Formula for Estimation of Creatinine Clearance. <i>Anesthesiology</i> , 2008, 109, 1141-1142.	2.5	2
63	Information Technology Comes to Anesthesiology. <i>Anesthesiology Clinics</i> , 2011, 29, xv-xvi.	1.4	1
64	Moving from “Surgeries” to Patients: Progress and Pitfalls While Using Machine Learning to Personalize Transfusion Prediction. <i>Anesthesiology</i> , 2022, , .	2.5	1
65	Perioperative Regional Anesthesia Fellowships. <i>Regional Anesthesia and Pain Medicine</i> , 2014, 39, 359-360.	2.3	0
66	Journal-related Activities and Other Special Activities at the 2018 American Society of Anesthesiologists Meeting. <i>Anesthesiology</i> , 2018, 129, 634-643.	2.5	0
67	In Reply. <i>Anesthesiology</i> , 2018, 129, 615-616.	2.5	0
68	Outcomes Associated With Overlapping Surgery”Reply. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 275.	7.4	0
69	The perioperative management of direct oral anticoagulants, a single center observational study. <i>Journal of Clinical Anesthesia</i> , 2020, 60, 92-93.	1.6	0
70	Opportunities to Improve the Capacity to Rescue. <i>Anesthesiology Clinics</i> , 2020, 38, 775-787.	1.4	0
71	Tranexamic Acid in High-risk Arthroplasty Patients: How Will We Adapt to Evolving Evidence?. <i>Anesthesiology</i> , 2021, 135, 12-14.	2.5	0
72	Hypothermia Should Also Have Been Considered to Be a Predictor of Adverse Perioperative Cardiac Events. <i>Anesthesiology</i> , 2009, 111, 453-454.	2.5	0

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73	Difficult Mask Ventilation and Meeting Abstracts. <i>Anesthesiology</i> , 2009, 111, 1164-1165.	2.5	0
74	The Signal and the Noise: Why So Many Predictions Failâ€”But Some Donâ€™t. By Nate Silver. United Kingdom, Penguin Press, 2012. Pages: 544. Price: \$27.95.. <i>Anesthesiology</i> , 2013, 119, 1495-1496.	2.5	0
75	Intraoperative risk factors of acute kidney injury following liver transplantation. <i>Liver Transplantation</i> , 2022, 28, 1399-1400.	2.4	0