

# Matthias Eikermann

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

4,604  
citations

156536

32  
h-index

124990

64  
g-index

163  
all docs

163  
docs citations

163  
times ranked

5394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subjective Assessment of Motor Function by the Bedside Nurses in Mechanically Ventilated Surgical Intensive Care Unit Patients Predicts Tracheostomy. <i>Journal of Intensive Care Medicine</i> , 2023, 38, 151-159.	1.3	1
2	Should asymptomatic patients testing positive for SARS-CoV-2 wait for elective surgical procedures?. <i>British Journal of Anaesthesia</i> , 2022, 128, e311-e314.	1.5	12
3	Association Between Intraoperative Arterial Hypotension and Postoperative Delirium After Noncardiac Surgery: A Retrospective Multicenter Cohort Study. <i>Anesthesia and Analgesia</i> , 2022, 134, 822-833.	1.1	41
4	Mechanical Power during General Anesthesia and Postoperative Respiratory Failure: A Multicenter Retrospective Cohort Study. <i>Anesthesiology</i> , 2022, 137, 41-54.	1.3	34
5	Association between intraoperative tidal volume and postoperative respiratory complications is dependent on respiratory elastance: a retrospective, multicentre cohort study. <i>British Journal of Anaesthesia</i> , 2022, 129, 263-272.	1.5	15
6	Effects of night surgery on postoperative mortality and morbidity: a multicentre cohort study. <i>BMJ Quality and Safety</i> , 2021, 30, 678-688.	1.8	28
7	A Tool to Predict Readmission to the Intensive Care Unit in Surgical Critical Care Patients—The RISC Score. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 1296-1304.	1.3	10
8	Outcomes after endoscopic retrograde cholangiopancreatography with general anaesthesia versus sedation. <i>British Journal of Anaesthesia</i> , 2021, 126, 191-200.	1.5	16
9	Development of an Instrument for Preoperative Prediction of Adverse Discharge in Patients Scheduled for Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 482-489.	0.6	9
10	Supraglottic airway device versus tracheal intubation and the risk of emergent postoperative intubation after general anaesthesia in adults: a retrospective cohort study. <i>British Journal of Anaesthesia</i> , 2021, 126, 738-745.	1.5	20
11	Effects of the Level and Duration of Mobilization Therapy in the Surgical ICU on the Loss of the Ability to Live Independently: An International Prospective Cohort Study. <i>Critical Care Medicine</i> , 2021, 49, e247-e257.	0.4	32
12	Effect of peripheral nerve blocks on postanesthesia care unit length of stay in patients undergoing ambulatory surgery: a retrospective cohort study. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 233-239.	1.1	10
13	Residual Neuromuscular Block Prediction Score Versus Train-of-Four Ratio and Respiratory Outcomes: A Retrospective Cohort Study. <i>Anesthesia and Analgesia</i> , 2021, 133, 610-619.	1.1	3
14	Anesthetic management of unruptured intracranial aneurysms: a qualitative systematic review. <i>Neurosurgical Review</i> , 2021, 44, 2477-2492.	1.2	6
15	Discharge Prediction for Patients Undergoing Inpatient Surgery: Development and validation of the DEPENDENSE score. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 607-617.	0.7	7
16	Effects of Volatile Anesthetics on Postoperative Ischemic Stroke Incidence. <i>Journal of the American Heart Association</i> , 2021, 10, e018952.	1.6	12
17	Optimal Sedation in Patients Who Receive Neuromuscular Blocking Agent Infusions for Treatment of Acute Respiratory Distress Syndrome—A Retrospective Cohort Study From a New England Health Care Network*. <i>Critical Care Medicine</i> , 2021, 49, 1137-1148.	0.4	27
18	Provider variability in the intraoperative use of neuromuscular blocking agents: a retrospective multicentre cohort study. <i>BMJ Open</i> , 2021, 11, e048509.	0.8	10

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19	Association of Sedation, Coma, and In-Hospital Mortality in Mechanically Ventilated Patients With Coronavirus Disease 2019–Related Acute Respiratory Distress Syndrome: A Retrospective Cohort Study*. <i>Critical Care Medicine</i> , 2021, 49, 1524-1534.	0.4	50
20	Effect of Intraoperative Arterial Hypotension on the Risk of Perioperative Stroke After Noncardiac Surgery: A Retrospective Multicenter Cohort Study. <i>Anesthesia and Analgesia</i> , 2021, 133, 1000-1008.	1.1	17
21	Development and external validation of a prognostic model for ischaemic stroke after surgery. <i>British Journal of Anaesthesia</i> , 2021, 127, 713-721.	1.5	6
22	High-flow nasal oxygen for gastrointestinal endoscopy improves respiratory safety. <i>British Journal of Anaesthesia</i> , 2021, 127, 7-11.	1.5	3
23	The authors reply. <i>Critical Care Medicine</i> , 2021, Publish Ahead of Print, e1188-e1189.	0.4	1
24	The association of nitrous oxide on length of stay in the postanesthesia care unit: a retrospective observational study. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1630-1640.	0.7	8
25	Association of surgery type and duration of hospitalisation with the ability to live independently after surgery. <i>British Journal of Anaesthesia</i> , 2021, 127, e87-e90.	1.5	3
26	The effect of intraoperative dexmedetomidine administration on length of stay in the post-anesthesia care unit in ambulatory surgery: A hospital registry study. <i>Journal of Clinical Anesthesia</i> , 2021, 72, 110284.	0.7	17
27	Association between preoperative administration of gabapentinoids and 30-day hospital readmission: A retrospective hospital registry study.. <i>Journal of Clinical Anesthesia</i> , 2021, 73, 110376.	0.7	7
28	High-dose midodrine is not effective for treatment of persistent hypotension in the intensive care unit. <i>Intensive Care Medicine</i> , 2021, 47, 252-253.	3.9	1
29	What Factors Predict Adverse Discharge Disposition in Patients Older Than 60 Years Undergoing Lower-extremity Surgery? The Adverse Discharge in Older Patients after Lower-extremity Surgery (ADELES) Risk Score. <i>Clinical Orthopaedics and Related Research</i> , 2021, 479, 546-547.	0.7	17
30	Effects of laparoscopic vs open abdominal surgery on costs and hospital readmission rate and its effect modification by surgeons' case volume. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 1-12.	1.3	7
31	Effects of high neuromuscular blocking agent dose on postoperative respiratory complications in infants and children. <i>Acta Anaesthesiologica Scandinavica</i> , 2020, 64, 156-167.	0.7	13
32	Association between propofol dose and 1-year mortality in patients with or without a diagnosis of solid cancer. <i>British Journal of Anaesthesia</i> , 2020, 124, 271-280.	1.5	14
33	BOSTN Bundle Intervention for Perioperative Screening and Management of Patients With Suspected Obstructive Sleep Apnea: A Hospital Registry Study. <i>Anesthesia and Analgesia</i> , 2020, 130, 1415-1424.	1.1	10
34	Succinylcholine and postoperative pulmonary complications: a retrospective cohort study using registry data from two hospital networks. <i>British Journal of Anaesthesia</i> , 2020, 125, 629-636.	1.5	16
35	Incidence, Prediction, and Causes of Unplanned 30-Day Hospital Admission After Ambulatory Procedures. <i>Anesthesia and Analgesia</i> , 2020, 131, 497-507.	1.1	14
36	Influence of the acuity of patients' illness on effectiveness of early, goal-directed mobilization in the intensive care unit: a post hoc analysis. <i>Critical Care</i> , 2020, 24, 663.	2.5	4

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37	Study protocol for a randomised controlled trial evaluating the effects of the orexin receptor antagonist suvorexant on sleep architecture and delirium in the intensive care unit. <i>BMJ Open</i> , 2020, 10, e038474.	0.8	6
38	Use of etomidate in patients with heart failure undergoing noncardiac surgery. <i>British Journal of Anaesthesia</i> , 2020, 125, 943-952.	1.5	8
39	Awareness, usage and perceptions of authorship guidelines: an international survey of biomedical authors. <i>BMJ Open</i> , 2020, 10, e036899.	0.8	23
40	Effect of midodrine versus placebo on time to vasopressor discontinuation in patients with persistent hypotension in the intensive care unit (MIDAS): an international randomised clinical trial. <i>Intensive Care Medicine</i> , 2020, 46, 1884-1893.	3.9	34
41	Does Sugammadex Reduce Postoperative Airway Failure?. <i>Anesthesia and Analgesia</i> , 2020, 131, 137-140.	1.1	5
42	Sleep and Anesthesia: The Shared Circuit Hypothesis Has Been Put to Bed. <i>Current Biology</i> , 2020, 30, R219-R221.	1.8	8
43	Effects of Anticholinesterase Reversal Under General Anesthesia on Postoperative Cardiovascular Complications. <i>Anesthesia and Analgesia</i> , 2020, 130, 685-695.	1.1	12
44	Ventilatory frequency during intraoperative mechanical ventilation and postoperative pulmonary complications: a hospital registry study. <i>British Journal of Anaesthesia</i> , 2020, 125, e130-e139.	1.5	23
45	Functional mobility recovery predicts readmission to the surgical intensive care unit. <i>Intensive Care Medicine</i> , 2020, 46, 1054-1056.	3.9	5
46	Calabadiol 1 selectively reverses respiratory and central nervous system effects of fentanyl in a rat model. <i>British Journal of Anaesthesia</i> , 2020, 125, e140-e147.	1.5	21
47	The effects of acetylcholinesterase inhibitors on morbidity after general anesthesia and surgery. <i>Neuropharmacology</i> , 2020, 173, 108134.	2.0	10
48	Patent foramen ovale and long-term risk of ischaemic stroke after surgery. <i>European Heart Journal</i> , 2019, 40, 914-924.	1.0	23
49	Unrecognized Obstructive Sleep Apnea in Patients Undergoing Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1211.	3.8	2
50	Influence of the initial level of consciousness on early, goal-directed mobilization: a post hoc analysis. <i>Intensive Care Medicine</i> , 2019, 45, 201-210.	3.9	31
51	Does reversal of neuromuscular block with sugammadex reduce readmission rate after surgery?. <i>British Journal of Anaesthesia</i> , 2019, 122, 294-298.	1.5	10
52	The Impact of Postoperative Intensive Care Unit Admission on Postoperative Hospital Length of Stay and Costs. <i>Anesthesia and Analgesia</i> , 2019, 129, 753-761.	1.1	19
53	Recent advances in understanding and managing postoperative respiratory problems. <i>F1000Research</i> , 2019, 8, 197.	0.8	9
54	Contact-free respiratory monitoring using bed wheel sensors: a valid respiratory monitoring technique with significant potential impact on public health. <i>Journal of Applied Physiology</i> , 2019, 126, 1430-1431.	1.2	7

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55	Effect of Intravenous Acetaminophen vs Placebo Combined With Propofol or Dexmedetomidine on Postoperative Delirium Among Older Patients Following Cardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 686.	3.8	199
56	Global and Regional Respiratory Mechanics During Robotic-Assisted Laparoscopic Surgery. <i>Anesthesia and Analgesia</i> , 2019, 129, 1564-1573.	1.1	27
57	The Effects of Postoperative Residual Neuromuscular Blockade on Hospital Costs and Intensive Care Unit Admission: A Population-Based Cohort Study. <i>Anesthesia and Analgesia</i> , 2019, 128, 1129-1136.	1.1	49
58	Repeat-dose ketamine augmentation for treatment-resistant depression with chronic suicidal ideation: A randomized, double blind, placebo controlled trial. <i>Journal of Affective Disorders</i> , 2019, 243, 516-524.	2.0	120
59	Impact of Low-Dose Ketamine on the Usage of Continuous Opioid Infusion for the Treatment of Pain in Adult Mechanically Ventilated Patients in Surgical Intensive Care Units. <i>Journal of Intensive Care Medicine</i> , 2019, 34, 646-651.	1.3	36
60	Association of Preoperatively Diagnosed Patent Foramen Ovale With Perioperative Ischemic Stroke. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 452.	3.8	71
61	Effects of Opioids Given to Facilitate Mechanical Ventilation on Sleep Apnea After Extubation in the Intensive Care Unit. <i>Sleep</i> , 2018, 41, .	0.6	10
62	Opioid Use Disorders and the Risk of Postoperative Pulmonary Complications. <i>Anesthesia and Analgesia</i> , 2018, 127, 767-774.	1.1	29
63	Effects of Intraoperative Fluid Management on Postoperative Outcomes. <i>Annals of Surgery</i> , 2018, 267, 1084-1092.	2.1	165
64	Variability in the Use of Protective Mechanical Ventilation During General Anesthesia. <i>Anesthesia and Analgesia</i> , 2018, 126, 503-512.	1.1	21
65	In response to letter: Opioids use in ICU: a causal agent for sleep apnea, unmasking the undiagnosed sleep apnea or both in the ICU. <i>Sleep</i> , 2018, 41, .	0.6	0
66	Intraoperative Dexamethasone Decreases Infectious Complications After Pancreaticoduodenectomy and is Associated with Long-Term Survival in Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2018, 25, 4020-4026.	0.7	38
67	Patent Foramen Ovale and Risk of Perioperative Stroke—Reply. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 2557.	3.8	0
68	Supplemental Carbon Dioxide Stabilizes the Upper Airway in Volunteers Anesthetized with Propofol. <i>Anesthesiology</i> , 2018, 129, 37-46.	1.3	5
69	Comparison of a novel clinical score to estimate the risk of Residual neuromuscular block Prediction Score and the last train-of-four count documented in the electronic anaesthesia record. <i>European Journal of Anaesthesiology</i> , 2018, 35, 883-892.	0.7	11
70	Ketamine augmentation for outpatients with treatment-resistant depression: Preliminary evidence for two-step intravenous dose escalation. <i>Australian and New Zealand Journal of Psychiatry</i> , 2017, 51, 55-64.	1.3	84
71	Early goal-directed mobilisation after surgery — Authors' reply. <i>Lancet, The</i> , 2017, 389, 695-696.	6.3	0
72	Anesthesia Residents Preferentially Request Operating Room Case Assignments with Complex Cases. <i>Journal of Medical Systems</i> , 2017, 41, 64.	2.2	4

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73	Midodrine as adjunctive support for treatment of refractory hypotension in the intensive care unit: a multicenter, randomized, placebo controlled trial (the MIDAS trial). <i>BMC Anesthesiology</i> , 2017, 17, 47.	0.7	22
74	Inhibition of the P2X7/PANX1 complex suppresses spreading depolarization and neuroinflammation. <i>Brain</i> , 2017, 140, 1643-1656.	3.7	99
75	Dose-Dependent Protective Effect of Inhalational Anesthetics Against Postoperative Respiratory Complications. <i>Critical Care Medicine</i> , 2017, 45, e30-e39.	0.4	42
76	Molecular Containers Bind Drugs of Abuse in Vitro and Reverse the Hyperlocomotive Effect of Methamphetamine in Rats. <i>ChemBioChem</i> , 2017, 18, 1583-1588.	1.3	54
77	Development and validation of a Score for Preoperative Prediction of Obstructive Sleep Apnea (SPOSA) and its perioperative outcomes. <i>BMC Anesthesiology</i> , 2017, 17, 71.	0.7	20
78	Migraine and risk of perioperative ischemic stroke and hospital readmission: hospital based registry study. <i>BMJ: British Medical Journal</i> , 2017, 356, i6635.	2.4	48
79	Proper selection of sedative drugs improves outcomes: volatile anesthetics are surgeons' best friends. <i>Annals of Translational Medicine</i> , 2017, 5, 122-122.	0.7	4
80	Differential Effects of Intraoperative Positive End-expiratory Pressure (PEEP) on Respiratory Outcome in Major Abdominal Surgery Versus Craniotomy. <i>Annals of Surgery</i> , 2016, 264, 362-369.	2.1	51
81	Can Sarcopenia Quantified by Ultrasound of the Rectus Femoris Muscle Predict Adverse Outcome of Surgical Intensive Care Unit Patients as well as Frailty? A Prospective, Observational Cohort Study. <i>Annals of Surgery</i> , 2016, 264, 1116-1124.	2.1	156
82	Noise Levels in Surgical ICUs Are Consistently Above Recommended Standards. <i>Critical Care Medicine</i> , 2016, 44, 147-152.	0.4	66
83	Early, goal-directed mobilisation in the surgical intensive care unit: a randomised controlled trial. <i>Lancet, The</i> , 2016, 388, 1377-1388.	6.3	509
84	Effects of obstructive sleep apnoea risk on postoperative respiratory complications: protocol for a hospital-based registry study. <i>BMJ Open</i> , 2016, 6, e008436.	0.8	11
85	The German Validation Study of the Surgical Intensive Care Unit Optimal Mobility Score. <i>Journal of Critical Care</i> , 2016, 32, 201-206.	1.0	21
86	Significant but reasonable radiation exposure from computed tomography-related medical imaging in the ICU. <i>Emergency Radiology</i> , 2016, 23, 141-146.	1.0	8
87	The Deyo-Charlson and Elixhauser-van Walraven Comorbidity Indices as predictors of mortality in critically ill patients. <i>BMJ Open</i> , 2015, 5, e008990.	0.8	103
88	Codifying healthcare "big data and the issue of misclassification. <i>BMC Anesthesiology</i> , 2015, 15, 179.	0.7	22
89	Dose-dependent Association between Intermediate-acting Neuromuscular-blocking Agents and Postoperative Respiratory Complications. <i>Anesthesiology</i> , 2015, 122, 1201-1213.	1.3	178
90	Authors' reply to Whitlock and Saied and colleagues. <i>BMJ, The</i> , 2015, 351, h5143.	3.0	1

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91	Effects of parecoxib on analgesia benefit and blood loss following open prostatectomy: a multicentre randomized trial. <i>BMC Anesthesiology</i> , 2015, 15, 31.	0.7	17
92	Elevated Upper Body Position Improves Pregnancy-Related OSA Without Impairing Sleep Quality or Sleep Architecture Early After Delivery. <i>Chest</i> , 2015, 148, 936-944.	0.4	54
93	Etomidate and Ketamine: Residual Motor and Adrenal Dysfunction that Persist beyond Recovery from Loss of Righting Reflex in Rats. <i>Pharmaceuticals</i> , 2015, 8, 21-37.	1.7	7
94	Intraoperative protective mechanical ventilation and risk of postoperative respiratory complications: hospital based registry study. <i>BMJ, The</i> , 2015, 351, h3646.	3.0	221
95	Residual Paralysis: Does it Influence Outcome After Ambulatory Surgery?. <i>Current Anesthesiology Reports</i> , 2014, 4, 290-302.	0.9	25
96	Therapeutic Range of Spontaneous Breathing during Mechanical Ventilation. <i>Anesthesiology</i> , 2014, 120, 536-539.	1.3	7
97	Effects of Neostigmine Reversal of Nondepolarizing Neuromuscular Blocking Agents on Postoperative Respiratory Outcomes. <i>Anesthesiology</i> , 2014, 121, 959-968.	1.3	128
98	Elevated Body Position Early after Delivery Increased Airway Size during Wakefulness, and Decreased Apnea Hypopnea Index in a Woman with Pregnancy Related Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 815-817.	1.4	5
99	Oral midodrine treatment accelerates the liberation of intensive care unit patients from intravenous vasopressor infusions. <i>Journal of Critical Care</i> , 2013, 28, 756-762.	1.0	41
100	Muscle weakness and nutrition in critical illness: matching nutrient supply and use. <i>Lancet Respiratory Medicine</i> , 2013, 1, 589-590.	5.2	3
101	Development and Validation of a Score for Prediction of Postoperative Respiratory Complications. <i>Anesthesiology</i> , 2013, 118, 1276-1285.	1.3	218
102	Diaphragm Muscle Thinning in Patients Who Are Mechanically Ventilated. <i>Chest</i> , 2012, 142, 1455-1460.	0.4	219
103	Ketamine Activates Breathing and Abolishes the Coupling between Loss of Consciousness and Upper Airway Dilator Muscle Dysfunction. <i>Anesthesiology</i> , 2012, 116, 35-46.	1.3	107
104	Acute Postoperative Negative-pressure Pulmonary Edema. <i>Anesthesiology</i> , 2011, 114, 462-462.	1.3	3
105	The ventrolateral preoptic nucleus is not required for isoflurane general anesthesia. <i>Brain Research</i> , 2011, 1426, 30-37.	1.1	38
106	Negative Pressure Pulmonary Edema Following Bronchospasm. <i>Chest</i> , 2011, 140, 1351-1354.	0.4	23
107	Do Patients with Obstructive Sleep Apnea have an Increased Risk of Desaturation During Induction of Anesthesia for Weight Loss Surgery?–!2010-04-13–!2010-05-05–!2010-06-25–!. <i>Open Respiratory Medicine Journal</i> , 2010, 4, 58-62.	1.3	16
108	Control of perioperative muscle strength during ambulatory surgery. <i>Current Opinion in Anaesthesiology</i> , 2009, 22, 730-737.	0.9	21

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109	Pentobarbital Dose-dependently Increases Respiratory Genioglossus Muscle Activity while Impairing Diaphragmatic Function in Anesthetized Rats. <i>Anesthesiology</i> , 2009, 110, 1327-1334.	1.3	28
110	Airway Dilator Muscle Activity and Lung Volume During Stable Breathing in Obstructive Sleep Apnea. <i>Sleep</i> , 2009, , .	0.6	1
111	Differential Effects of Isoflurane and Propofol on Upper Airway Dilator Muscle Activity and Breathing. <i>Anesthesiology</i> , 2008, 108, 897-906.	1.3	46
112	The Influence of Aging on Pharyngeal Collapsibility During Sleep. <i>Chest</i> , 2007, 131, 1702-1709.	0.4	238
113	Unwarranted Administration of Acetylcholinesterase Inhibitors Can Impair Genioglossus and Diaphragm Muscle Function. <i>Anesthesiology</i> , 2007, 107, 621-629.	1.3	87
114	Epidural Analgesia in Advanced Cancer Patients. <i>Anesthesia and Analgesia</i> , 2005, 100, 600.	1.1	10