

# Edward J Mascha

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93  
papers

3,772  
citations

35  
h-index

60  
g-index

114  
ext. papers

4,794  
ext. citations

4.4  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
93	Relationship between Intraoperative Hypotension, Defined by Either Reduction from Baseline or Absolute Thresholds, and Acute Kidney and Myocardial Injury after Noncardiac Surgery: A Retrospective Cohort Analysis. <i>Anesthesiology</i> , <b>2017</b> , 126, 47-65	4.3	385
92	Smoking and perioperative outcomes. <i>Anesthesiology</i> , <b>2011</b> , 114, 837-46	4.3	226
91	Open infrarenal abdominal aortic aneurysm repair: the Cleveland Clinic experience from 1989 to 1998. <i>Journal of Vascular Surgery</i> , <b>2002</b> , 35, 1145-54	3.5	218
90	Early outcome assessment for 2228 consecutive carotid endarterectomy procedures: the Cleveland Clinic experience from 1989 to 1995. <i>Journal of Vascular Surgery</i> , <b>1997</b> , 26, 1-10	3.5	198
89	Intraoperative Mean Arterial Pressure Variability and 30-day Mortality in Patients Having Noncardiac Surgery. <i>Anesthesiology</i> , <b>2015</b> , 123, 79-91	4.3	170
88	Nature, frequency, and predictors of secondary procedures after endovascular repair of abdominal aortic aneurysm. <i>Journal of Vascular Surgery</i> , <b>2003</b> , 37, 930-7	3.5	170
87	Recurrence of breast cancer after regional or general anaesthesia: a randomised controlled trial. <i>Lancet, The</i> , <b>2019</b> , 394, 1807-1815	4.0	141
86	Can regional analgesia reduce the risk of recurrence after breast cancer? Methodology of a multicenter randomized trial. <i>Contemporary Clinical Trials</i> , <b>2008</b> , 29, 517-26	2.3	120
85	Is depth of anesthesia, as assessed by the Bispectral Index, related to postoperative cognitive dysfunction and recovery?. <i>Anesthesia and Analgesia</i> , <b>2006</b> , 103, 633-40	3.9	102
84	Intraoperative transitions of anesthesia care and postoperative adverse outcomes. <i>Anesthesiology</i> , <b>2014</b> , 121, 695-706	4.3	82
83	A study of ruptured tubal ectopic pregnancy. <i>Obstetrics and Gynecology</i> , <b>1997</b> , 90, 46-9	4.9	68
82	Gender as a primary predictor of outcome after carotid endarterectomy. <i>Journal of Vascular Surgery</i> , <b>2002</b> , 35, 748-53	3.5	67
81	Carotid endarterectomy in octogenarians: early results and late outcome. <i>Journal of Vascular Surgery</i> , <b>1998</b> , 27, 860-9; discussion 870-1	3.5	66
80	Persistent postmastectomy pain and pain-related physical and emotional functioning with and without a continuous paravertebral nerve block: a prospective 1-year follow-up assessment of a randomized, triple-masked, placebo-controlled study. <i>Annals of Surgical Oncology</i> , <b>2015</b> , 22, 2017-25	3.1	65
79	Statistical grand rounds: understanding the mechanism: mediation analysis in randomized and nonrandomized studies. <i>Anesthesia and Analgesia</i> , <b>2013</b> , 117, 980-994	3.9	64
78	Equivalence and noninferiority testing in regression models and repeated-measures designs. <i>Anesthesia and Analgesia</i> , <b>2011</b> , 112, 678-87	3.9	60
77	Statistical grand rounds: design and analysis of studies with binary- event composite endpoints: guidelines for anesthesia research. <i>Anesthesia and Analgesia</i> , <b>2011</b> , 112, 1461-71	3.9	58

76	Propensity Score Methods: Theory and Practice for Anesthesia Research. <i>Anesthesia and Analgesia</i> , <b>2018</b> , 127, 1074-1084	3.9	56
75	Significance, Errors, Power, and Sample Size: The Blocking and Tackling of Statistics. <i>Anesthesia and Analgesia</i> , <b>2018</b> , 126, 691-698	3.9	54
74	A prospective, randomized study of saphenous vein patching versus synthetic patching during carotid endarterectomy. <i>Journal of Vascular Surgery</i> , <b>2002</b> , 35, 324-32	3.5	54
73	Reoperation for recurrent carotid stenosis: early results and late outcome in 199 patients. <i>Journal of Vascular Surgery</i> , <b>2001</b> , 34, 5-12	3.5	54
72	Serum free fatty acid biomarkers of lung cancer. <i>Chest</i> , <b>2014</b> , 146, 670-679	5.3	52
71	Joint hypothesis testing and gatekeeping procedures for studies with multiple endpoints. <i>Anesthesia and Analgesia</i> , <b>2012</b> , 114, 1304-17	3.9	51
70	Influence of gender on cardiac risk and survival in patients with infrarenal aortic aneurysms. <i>Journal of Vascular Surgery</i> , <b>1996</b> , 23, 870-80	3.5	50
69	Bias, Confounding, and Interaction: Lions and Tigers, and Bears, Oh My!. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 125, 1042-1048	3.9	49
68	Thoracic paravertebral regional anesthesia improves analgesia after breast cancer surgery: a randomized controlled multicentre clinical trial. <i>Canadian Journal of Anaesthesia</i> , <b>2015</b> , 62, 241-51	3	47
67	Discharge Readiness after Tricompartiment Knee Arthroplasty: Adductor Canal versus Femoral Continuous Nerve Blocks-A Dual-center, Randomized Trial. <i>Anesthesiology</i> , <b>2015</b> , 123, 444-56	4.3	44
66	Staffing With Disease-Based Epidemiologic Indices May Reduce Shortage of Intensive Care Unit Staff During the COVID-19 Pandemic. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 131, 24-30	3.9	43
65	A Randomized Clinical Trial of Red Blood Cell Transfusion Triggers in Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, 1243-1250	2.7	42
64	The association between nitrous oxide and postoperative mortality and morbidity after noncardiac surgery. <i>Anesthesia and Analgesia</i> , <b>2013</b> , 116, 1026-1033	3.9	40
63	Segmented Regression and Difference-in-Difference Methods: Assessing the Impact of Systemic Changes in Health Care. <i>Anesthesia and Analgesia</i> , <b>2019</b> , 129, 618-633	3.9	40
62	Comparison of the Truview PCD and the GlideScope( ) video laryngoscopes with direct laryngoscopy in pediatric patients: a randomized trial. <i>Canadian Journal of Anaesthesia</i> , <b>2013</b> , 60, 450-7	3	39
61	Effect of cranial surgery and brain tumor size on emergence from anesthesia. <i>Anesthesiology</i> , <b>1996</b> , 85, 513-21	4.3	37
60	Intravenous acetaminophen analgesia after cardiac surgery: A randomized, blinded, controlled superiority trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 152, 881-889.e1	1.5	37
59	Factors affecting power of tests for multiple binary outcomes. <i>Statistics in Medicine</i> , <b>2010</b> , 29, 2890-904	2.3	32

58	A personal experience with coronary artery bypass grafting, carotid patching, and other factors influencing the outcome of carotid endarterectomy. <i>Journal of Vascular Surgery</i> , <b>2006</b> , 43, 959-968	3.5	28
57	Comparison of three techniques for ultrasound-guided femoral nerve catheter insertion: a randomized, blinded trial. <i>Anesthesiology</i> , <b>2014</b> , 121, 239-48	4.3	26
56	Associations of Intraoperative Radial Arterial Systolic, Diastolic, Mean, and Pulse Pressures with Myocardial and Acute Kidney Injury after Noncardiac Surgery: A Retrospective Cohort Analysis. <i>Anesthesiology</i> , <b>2020</b> , 132, 291-306	4.3	26
55	Incidence of complications in the post-anesthesia care unit and associated healthcare utilization in patients undergoing non-cardiac surgery requiring neuromuscular blockade 2005-2013: A single center study. <i>Journal of Clinical Anesthesia</i> , <b>2017</b> , 43, 33-38	1.9	25
54	Triple-low Alerts Do Not Reduce Mortality: A Real-time Randomized Trial. <i>Anesthesiology</i> , <b>2019</b> , 130, 72-82	4.3	24
53	Defining the Primary Outcomes and Justifying Secondary Outcomes of a Study: Usually, the Fewer, the Better. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 125, 678-681	3.9	22
52	Lidocaine 5% Patch for Treatment of Acute Pain After Robotic Cardiac Surgery and Prevention of Persistent Incisional Pain: A Randomized, Placebo-Controlled, Double-Blind Trial. <i>Pain Medicine</i> , <b>2015</b> , 16, 1610-21	2.8	22
51	A personal experience with factors influencing survival after elective open repair of infrarenal aortic aneurysms. <i>Journal of Vascular Surgery</i> , <b>2005</b> , 42, 898-905	3.5	20
50	Saline versus Lactated Ringer® Solution: The Saline or Lactated Ringer® (SOLAR) Trial. <i>Anesthesiology</i> , <b>2020</b> , 132, 614-624	4.3	20
49	A randomized trial of prewarming on patient satisfaction and thermal comfort in outpatient surgery. <i>Journal of Clinical Anesthesia</i> , <b>2016</b> , 33, 376-85	1.9	19
48	A Randomized Trial of a Supplemental Alarm for Critically Low Systolic Blood Pressure. <i>Anesthesia and Analgesia</i> , <b>2015</b> , 121, 1500-7	3.9	19
47	A study of risk factors for ruptured tubal ectopic pregnancy. <i>Journal of Womens Health</i> , <b>1998</b> , 7, 459-63		19
46	Perioperative risk and late outcome of nonelective carotid endarterectomy. <i>Journal of Vascular Surgery</i> , <b>1999</b> , 30, 618-31	3.5	19
45	Mild Acute Kidney Injury after Noncardiac Surgery Is Associated with Long-term Renal Dysfunction: A Retrospective Cohort Study. <i>Anesthesiology</i> , <b>2020</b> , 132, 1053-1061	4.3	19
44	Continuous Adductor Canal Versus Continuous Femoral Nerve Blocks: Relative Effects on Discharge Readiness Following Unicompartment Knee Arthroplasty. <i>Regional Anesthesia and Pain Medicine</i> , <b>2015</b> , 40, 559-67	3.4	18
43	Single-injection thoracic paravertebral block and postoperative analgesia after mastectomy: a retrospective cohort study. <i>Journal of Clinical Anesthesia</i> , <b>2015</b> , 27, 371-4	1.9	18
42	Multisource feedback in professionalism for anesthesia residents. <i>Journal of Clinical Anesthesia</i> , <b>2016</b> , 34, 32-40	1.9	17
41	Continuous Adductor Canal Blocks: Does Varying Local Anesthetic Delivery Method (Automatic Repeated Bolus Doses Versus Continuous Basal Infusion) Influence Cutaneous Analgesia and Quadriceps Femoris Strength? A Randomized, Double-Masked, Controlled, Split-Body Volunteer Study. <i>Anesthesia and Analgesia</i> , <b>2016</b> , 122, 1681-9	3.9	15

40	Unadjusted Bivariate Two-Group Comparisons: When Simpler is Better. <i>Anesthesia and Analgesia</i> , <b>2018</b> , 126, 338-342	3.9	15
39	Comparison of 2 resident learning tools-interactive screen-based simulated case scenarios versus problem-based learning discussions: a prospective quasi-crossover cohort study. <i>Journal of Clinical Anesthesia</i> , <b>2016</b> , 28, 4-11	1.9	12
38	An Appraisal of the Carlisle-Stouffer-Fisher Method for Assessing Study Data Integrity and Fraud. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 125, 1381-1385	3.9	12
37	Low vitamin D concentration is not associated with increased mortality and morbidity after cardiac surgery. <i>PLoS ONE</i> , <b>2013</b> , 8, e63831	3.7	12
36	Effect of Intravenous Acetaminophen on Postoperative Hypoxemia After Abdominal Surgery: The FACTOR Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 324, 350-358	27.4	12
35	Early Resumption of $\beta$ Blockers Is Associated with Decreased Atrial Fibrillation after Noncardiothoracic and Nonvascular Surgery: A Cohort Analysis. <i>Anesthesiology</i> , <b>2018</b> , 129, 1101-1110	4.3	12
34	The relative effects of dexmedetomidine and propofol on cerebral blood flow velocity and regional brain oxygenation: A randomised noninferiority trial. <i>European Journal of Anaesthesiology</i> , <b>2017</b> , 34, 732-739	2.3	11
33	Hypotension Prediction Index software for management of hypotension during moderate- to high-risk noncardiac surgery: protocol for a randomized trial. <i>Trials</i> , <b>2019</b> , 20, 255	2.8	10
32	Supplemental Intraoperative Oxygen Does Not Promote Acute Kidney Injury or Cardiovascular Complications After Noncardiac Surgery: Subanalysis of an Alternating Intervention Trial. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 130, 933-940	3.9	10
31	Lack of association between carotid artery stenosis and stroke or myocardial injury after noncardiac surgery in high-risk patients. <i>Anesthesiology</i> , <b>2014</b> , 121, 922-9	4.3	10
30	In the Beginning-There Is the Introduction-and Your Study Hypothesis. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 124, 1709-1711	3.9	10
29	Arterial Catheters for Early Detection and Treatment of Hypotension During Major Noncardiac Surgery: A Randomized Trial. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 131, 1540-1550	3.9	10
28	Mechanically Ventilated, Cardiothoracic Surgical Patients Have Significantly Different Energy Requirements Comparing Indirect Calorimetry and the Penn State Equations. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2016</b> , 40, 959-65	4.2	8
27	Protocol understanding and anxiety in perioperative clinical trial patients approached for consent on the day of surgery. <i>Mayo Clinic Proceedings</i> , <b>2013</b> , 88, 446-54	6.4	6
26	The Effect of Hypothyroidism on a Composite of Mortality, Cardiovascular and Wound Complications After Noncardiac Surgery: A Retrospective Cohort Analysis. <i>Anesthesia and Analgesia</i> , <b>2015</b> , 121, 716-726	3.9	6
25	Effect of red blood cell storage duration on major postoperative complications in cardiac surgery: A randomized trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 160, 1505-1514.e3	1.5	6
24	Hyperinsulinemic Normoglycemia during Cardiac Surgery Reduces a Composite of 30-day Mortality and Serious In-hospital Complications: A Randomized Clinical Trial. <i>Anesthesiology</i> , <b>2018</b> , 128, 1125-1139	4.3	5
23	Opioid use after propofol or sevoflurane anesthesia: a randomized trial. <i>Canadian Journal of Anaesthesia</i> , <b>2016</b> , 63, 1258-65	3	5

22	Acute pain after serratus anterior plane or thoracic paravertebral blocks for video-assisted thoracoscopic surgery: A noninferiority randomised trial. <i>European Journal of Anaesthesiology</i> , <b>2021</b> , 38, S97-S105	2.3	5
21	Suture-method versus Through-the-needle Catheters for Continuous Popliteal-sciatic Nerve Blocks: A Randomized Clinical Trial. <i>Anesthesiology</i> , <b>2020</b> , 132, 854-866	4.3	4
20	Statistics From A (Agreement) to Z (z Score): A Guide to Interpreting Common Measures of Association, Agreement, Diagnostic Accuracy, Effect Size, Heterogeneity, and Reliability in Medical Research. <i>Anesthesia and Analgesia</i> , <b>2021</b> , 133, 1633-1641	3.9	4
19	Optimal interval and duration of CAM-ICU assessments for delirium detection after cardiac surgery. <i>Journal of Clinical Anesthesia</i> , <b>2021</b> , 71, 110233	1.9	4
18	Blood Pressure Management by Anesthesia Professionals: Evaluating Clinician Skill From Electronic Medical Records. <i>Anesthesia and Analgesia</i> , <b>2021</b> , 132, 946-956	3.9	3
17	Percutaneous Peripheral Nerve Stimulation (Neuromodulation) for Postoperative Pain: A Randomized, Sham-controlled Pilot Study. <i>Anesthesiology</i> , <b>2021</b> , 135, 95-110	4.3	3
16	Mechanisms contributing to hypotension after anesthetic induction with sufentanil, propofol, and rocuronium: a prospective observational study. <i>Journal of Clinical Monitoring and Computing</i> , <b>2021</b> , 1	2	3
15	Correlation of the Depth of Anesthesia with POCD (Postoperative Cognitive Dysfunction). <i>Anesthesia and Analgesia</i> , <b>2007</b> , 104, 1298-1299	3.9	2
14	Effect of Sevoflurane Versus Isoflurane on Emergence Time and Postanesthesia Care Unit Length of Stay: An Alternating Intervention Trial. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 130, 360-366	3.9	2
13	Do It Often, Do It Better: Association Between Pairs of Experienced Subspecialty Anesthesia Caregivers and Postoperative Outcomes. A Retrospective Observational Study. <i>Anesthesia and Analgesia</i> , <b>2021</b> , 132, 866-877	3.9	2
12	Hyperinsulinemic normoglycemia decreases glucose variability during cardiac surgery. <i>Journal of Anesthesia</i> , <b>2017</b> , 31, 185-192	2.2	1
11	Absence of proof is not proof of absence. <i>Regional Anesthesia and Pain Medicine</i> , <b>2011</b> , 36, 521; author reply 521-2	3.4	1
10	Estimating treatment effect heterogeneity for binary outcomes via Dirichlet multinomial constraints. <i>Biometrical Journal</i> , <b>2007</b> , 49, 378-93	1.5	1
9	Tranexamic acid for traumatic brain injury. <i>Lancet, The</i> , <b>2020</b> , 396, 164	4.0	1
8	Ultrasound-Guided Percutaneous Peripheral Nerve Stimulation: A Pragmatic Effectiveness Trial of a Nonpharmacologic Alternative for the Treatment of Postoperative Pain. <i>Pain Medicine</i> , <b>2020</b> , 21, S53-S61 <sup>2.8</sup>		1
7	Early Prediction of Prognosis in Elderly Acute Stroke Patients <b>2019</b> , 1, e0007		1
6	Immediate Effects of a Continuous Peripheral Nerve Block on Postamputation Phantom and Residual Limb Pain: Secondary Outcomes From a Multicenter Randomized Controlled Clinical Trial. <i>Anesthesia and Analgesia</i> , <b>2021</b> , 133, 1019-1027	3.9	1
5	In Response. <i>Anesthesia and Analgesia</i> , <b>2016</b> , 123, 793-4	3.9	

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| 4 | In reply. <i>Anesthesiology</i> , <b>2015</b> , 122, 954-5  | 4.3  |
| 3 | Is Depth of Anesthesia, as Assessed by the Bispectral Index, Related to Postoperative Cognitive Dysfunction and Recovery?. <i>Anesthesia and Analgesia</i> , <b>2007</b> , 104, 1297-1298 | 3.9  |
| 2 | Hydroxyethyl Starch vs Saline for Volume Expansion After Abdominal Surgery. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 324, 199                            | 27.4 |
| 1 | In Response. <i>Anesthesia and Analgesia</i> , <b>2019</b> , 128, e36   | 3.9  |