

Bradley J Hindman

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

3,872
citations

117453

34
h-index

128067

60
g-index

100
all docs

100
docs citations

100
times ranked

2013
citing authors

#	ARTICLE	IF	CITATIONS
1	Mild Intraoperative Hypothermia during Surgery for Intracranial Aneurysm. <i>New England Journal of Medicine</i> , 2005, 352, 135-145.	13.9	631
2	A Prospective, Comparative Trial of Three Anesthetics for Elective Supratentorial Craniotomy. <i>Anesthesiology</i> , 1993, 78, 1005-1020.	1.3	253
3	Mild Hypothermia as a Protective Therapy during Intracranial Aneurysm Surgery: A Randomized Prospective Pilot Trial. <i>Neurosurgery</i> , 1999, 44, 23-32.	0.6	199
4	Theoretical Analysis of Cerebral Venous Blood Hemoglobin Oxygen Saturation as an Index of Cerebral Oxygenation during Hypothermic Cardiopulmonary Bypass. <i>Anesthesiology</i> , 1995, 83, 405-412..	1.3	158
5	Mechanisms of perioperative cerebral infarction.. <i>Stroke</i> , 1982, 13, 766-773.	1.0	120
6	No Association between Intraoperative Hypothermia or Supplemental Protective Drug and Neurologic Outcomes in Patients Undergoing Temporary Clipping during Cerebral Aneurysm Surgery. <i>Anesthesiology</i> , 2010, 112, 86-101.	1.3	113
7	Manual In-line Stabilization Increases Pressures Applied by the Laryngoscope Blade during Direct Laryngoscopy and Orotracheal Intubation. <i>Anesthesiology</i> , 2009, 110, 24-31.	1.3	110
8	Cerebral autoregulation during moderate hypothermia in rats.. <i>Stroke</i> , 1993, 24, 407-414.	1.0	99
9	The Implementation of Quantitative Electromyographic Neuromuscular Monitoring in an Academic Anesthesia Department. <i>Anesthesia and Analgesia</i> , 2014, 119, 323-331.	1.1	95
10	Intracranial Pressure and Hemodynamic Effects of Remifentanyl Versus Alfentanil in Patients Undergoing Supratentorial Craniotomy. <i>Anesthesia and Analgesia</i> , 1996, 83, 348-353.	1.1	92
11	Effects of intraoperative hypothermia on neuropsychological outcomes after intracranial aneurysm surgery. <i>Annals of Neurology</i> , 2006, 60, 518-527.	2.8	91
12	Recommendations for Hyperbaric Oxygen Therapy of Cerebral Air Embolism Based on a Mathematical Model of Bubble Absorption. <i>Anesthesia and Analgesia</i> , 1997, 84, 1203-1207.	1.1	90
13	Hyperglycemia in Patients Undergoing Cerebral Aneurysm Surgery: Its Association With Long-term Gross Neurologic and Neuropsychological Function. <i>Mayo Clinic Proceedings</i> , 2008, 83, 406-417.	1.4	82
14	Cervical Spinal Cord, Root, and Bony Spine Injuries. <i>Anesthesiology</i> , 2011, 114, 782-795.	1.3	79
15	Heparin Reduces Neurological Impairment After Cerebral Arterial Air Embolism in the Rabbit. <i>Stroke</i> , 1996, 27, 303-310.	1.0	68
16	PERIOPERATIVE FEVER AND OUTCOME IN SURGICAL PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE. <i>Neurosurgery</i> , 2009, 64, 897-908.	0.6	65
17	Effect of haemoglobin concentration on brain oxygenation in focal stroke: a mathematical modelling study. <i>British Journal of Anaesthesia</i> , 1997, 79, 346-351.	1.5	63
18	pH-Stat Management Reduces the Cerebral Metabolic Rate for Oxygen during Profound Hypothermia (17 degrees Celsius). <i>Anesthesiology</i> , 1995, 82, 983-995..	1.3	59

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19	Intubation Biomechanics. <i>Anesthesiology</i> , 2014, 121, 260-271.	1.3	56
20	Effect of Nitrous Oxide Use on Long-term Neurologic and Neuropsychological Outcome in Patients Who Received Temporary Proximal Artery Occlusion during Cerebral Aneurysm Clipping Surgery. <i>Anesthesiology</i> , 2009, 110, 563-573.	1.3	54
21	Independent Associations Between Electrocardiographic Abnormalities and Outcomes in Patients With Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2009, 40, 412-418.	1.0	53
22	Marked Hemodilution Increases Neurologic Injury After Focal Cerebral Ischemia in Rabbits. <i>Anesthesia and Analgesia</i> , 1996, 82, 61-67.	1.1	48
23	Craniocervical Motion during Direct Laryngoscopy and Orotracheal Intubation with the Macintosh and Miller Blades. <i>Anesthesiology</i> , 2007, 107, 884-891.	1.3	43
24	Effect of Nitrous Oxide on Neurologic and Neuropsychological Function after Intracranial Aneurysm Surgery. <i>Anesthesiology</i> , 2008, 108, 568-579.	1.3	43
25	The Brain Uses Mostly Dissolved Oxygen During Profoundly Hypothermic Cardiopulmonary Bypass. <i>Annals of Thoracic Surgery</i> , 1997, 63, 1725-1729.	0.7	41
26	Differential Effect of Oncotic Pressure on Cerebral and Extracerebral Water Content during Cardiopulmonary Bypass in Rabbits. <i>Anesthesiology</i> , 1990, 73, 951-957.	1.3	40
27	Computer simulation of brain cooling during cardiopulmonary bypass. <i>Annals of Thoracic Surgery</i> , 1994, 57, 1171-1178.	0.7	40
28	Intracranial Pressure and Hemodynamic Effects of Remifentanyl Versus Alfentanil in Patients Undergoing Supratentorial Craniotomy. <i>Anesthesia and Analgesia</i> , 1996, 83, 348-353.	1.1	40
29	Perioperative Hypothermia (33°C) Does Not Increase the Occurrence of Cardiovascular Events in Patients Undergoing Cerebral Aneurysm Surgery. <i>Anesthesiology</i> , 2010, 113, 327-342.	1.3	39
30	Determinants, Associations, and Psychometric Properties of Resident Assessments of Anesthesiologist Operating Room Supervision. <i>Anesthesia and Analgesia</i> , 2013, 116, 1342-1351.	1.1	37
31	Influence of Provider Type (Nurse Anesthetist or Resident Physician), Staff Assignments, and Other Covariates on Daily Evaluations of Anesthesiologists' Quality of Supervision. <i>Anesthesia and Analgesia</i> , 2014, 119, 670-678.	1.1	37
32	The Implementation of Quantitative Electromyographic Neuromuscular Monitoring in an Academic Anesthesia Department. <i>Anesthesia and Analgesia</i> , 2015, 121, 836-838.	1.1	37
33	A Prospective, Observational Clinical Trial of Fever Reduction to Reduce Systemic Oxygen Consumption in the Setting of Acute Brain Injury. <i>Neurocritical Care</i> , 2008, 9, 37-44.	1.2	36
34	Bernoulli Cumulative Sum (CUSUM) Control Charts for Monitoring of Anesthesiologists' Performance in Supervising Anesthesia Residents and Nurse Anesthetists. <i>Anesthesia and Analgesia</i> , 2014, 119, 679-685.	1.1	35
35	Recommendations for Hyperbaric Oxygen Therapy of Cerebral Air Embolism Based on a Mathematical Model of Bubble Absorption. <i>Anesthesia and Analgesia</i> , 1997, 84, 1203-1207.	1.1	34
36	Quantifying the Diversity and Similarity of Surgical Procedures Among Hospitals and Anesthesia Providers. <i>Anesthesia and Analgesia</i> , 2016, 122, 251-263.	1.1	34

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37	The "Fourth Mission" A & A Case Reports, 2015, 5, 206-211.	0.7	33
38	Marked Hemodilution Increases Neurologic Injury After Focal Cerebral Ischemia in Rabbits. Anesthesia and Analgesia, 1996, 82, 61-67.	1.1	31
39	Intubation Biomechanics. Anesthesiology, 2015, 123, 1042-1058.	1.3	30
40	Anesthetic Management of Emergency Endovascular Thrombectomy for Acute Ischemic Stroke, Part 2. Anesthesia and Analgesia, 2019, 128, 706-717.	1.1	24
41	Emboli, inflammation, and CNS impairment: an overview. Heart Surgery Forum, 2002, 5, 249-53.	0.2	24
42	Diversity and Similarity of Anesthesia Procedures in the United States During and Among Regular Work Hours, Evenings, and Weekends. Anesthesia and Analgesia, 2016, 123, 1567-1573.	1.1	23
43	Pressure Changes Within the Sac of Human Cerebral Aneurysms in Response to Artificially Induced Transient Increases in Systemic Blood Pressure. Hypertension, 2015, 66, 324-331.	1.3	22
44	Quality of Supervision as an Independent Contributor to an Anesthesiologist's Individual Clinical Value. Anesthesia and Analgesia, 2015, 121, 507-513.	1.1	21
45	Anesthetic Management of Emergency Endovascular Thrombectomy for Acute Ischemic Stroke, Part 1. Anesthesia and Analgesia, 2019, 128, 695-705.	1.1	21
46	Differences in Cerebral Blood Flow between Alpha-stat and pH-stat Management Are Eliminated during Periods of Decreased Systemic Flow and Pressure A Study during Cardiopulmonary Bypass in Rabbits. Anesthesiology, 1991, 74, 1096-1102.	1.3	20
47	Estimate of the maximum absorption rate of microscopic arterial air emboli after entry into the arterial circulation during cardiac surgery. Perfusion (United Kingdom), 1996, 11, 445-450.	0.5	20
48	Diaspirin Cross-linked Hemoglobin Does Not Increase Brain Oxygen Consumption during Hypothermic Cardiopulmonary Bypass in Rabbits. Anesthesiology, 1995, 83, 1302-1311.	1.3	19
49	Research, Education, and Nonclinical Service Productivity of New Junior Anesthesia Faculty During a 2-Year Faculty Development Program. Anesthesia and Analgesia, 2013, 117, 194-204.	1.1	19
50	Reliability and Validity of the Anesthesiologist Supervision Instrument When Certified Registered Nurse Anesthetists Provide Scores. Anesthesia and Analgesia, 2015, 120, 214-219.	1.1	19
51	IMPROVING PREDICTION OF OUTCOME IN "GOOD GRADE" SUBARACHNOID HEMORRHAGE. Neurosurgery, 2007, 61, 470-474.	0.6	18
52	Operating Room Anesthesia Subspecialization Is Not Associated With Significantly Greater Quality of Supervision of Anesthesia Residents and Nurse Anesthetists. Anesthesia and Analgesia, 2017, 124, 1253-1260.	1.1	18
53	Update in the Early Management and Reperfusion Strategies of Patients with Acute Ischemic Stroke. Critical Care Research and Practice, 2018, 2018, 1-15.	0.4	17
54	Anesthesia Residents' Global (Departmental) Evaluation of Faculty Anesthesiologists' Supervision Can Be Less Than Their Average Evaluations of Individual Anesthesiologists. Anesthesia and Analgesia, 2015, 120, 204-208.	1.1	16

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55	Written Comments Made by Anesthesia Residents When Providing Below Average Scores for the Supervision Provided by the Faculty Anesthesiologist. <i>Anesthesia and Analgesia</i> , 2016, 122, 2000-2006.	1.1	16
56	Measurement of faculty anesthesiologists'™ quality of clinical supervision has greater reliability when controlling for the leniency of the rating anesthesia resident: a retrospective cohort study. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 643-655.	0.7	16
57	Reliability of a Telephone-Based Glasgow Outcome Scale Assessment Using a Structured Interview in a Heterogenous Population of Patients and Examiners. <i>Journal of Neurotrauma</i> , 2007, 24, 1437-1446.	1.7	15
58	Somatosensory Evoked Potentials Correlate With Neurological Outcome in Rabbits Undergoing Cerebral Air Embolism. <i>Stroke</i> , 1996, 27, 1859-1864.	1.0	15
59	Content analysis of resident evaluations of faculty anesthesiologists: supervision encompasses some attributes of the professionalism core competency. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 506-512.	0.7	14
60	Validity of using a work habits scale for the daily evaluation of nurse anesthetists' clinical performance while controlling for the leniencies of the rating anesthesiologists. <i>Journal of Clinical Anesthesia</i> , 2017, 42, 63-68.	0.7	13
61	Work Habits Are Valid Components of Evaluations of Anesthesia Residents Based on Faculty Anesthesiologists'™ Daily Written Comments About Residents. <i>Anesthesia and Analgesia</i> , 2016, 122, 1625-1633.	1.1	12
62	Perioperative Temperature Measurement Considerations Relevant to Reporting Requirements for National Quality Programs Using Data From Anesthesia Information Management Systems. <i>Anesthesia and Analgesia</i> , 2018, 126, 478-486.	1.1	12
63	Reliability of ranking anesthesiologists and nurse anesthetists using leniency-adjusted clinical supervision and work habits scores. <i>Journal of Clinical Anesthesia</i> , 2020, 61, 109639.	0.7	11
64	Cerebral physiology of hypothermia and hypothermic acid-base management during cardiopulmonary bypass. <i>Cardiology in the Young</i> , 1993, 3, 273-280.	0.4	10
65	Cerebral Physiology during Cardiopulmonary Bypass: Pulsatile versus Nonpulsatile Flow. <i>Advances in Pharmacology</i> , 1994, 31, 607-616.	1.2	10
66	Nurse anesthetists' evaluations of anesthesiologists' operating room performance are sensitive to anesthesiologists' years of postgraduate practice. <i>Journal of Clinical Anesthesia</i> , 2019, 54, 102-110.	0.7	10
67	Elective Endovascular Treatment of Unruptured Intracranial Aneurysms. <i>Anesthesia and Analgesia</i> , 2015, 121, 188-197.	1.1	9
68	Intubation biomechanics: laryngoscope force and cervical spine motion during intubation in cadavers™ effect of severe distractive-flexion injury on C3™4 motion. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 545-555.	0.9	9
69	Anesthesiologists' perceptions of minimum acceptable work habits of nurse anesthetists. <i>Journal of Clinical Anesthesia</i> , 2017, 38, 107-110.	0.7	9
70	Do Not Use Hierarchical Logistic Regression Models with Low-incidence Outcome Data to Compare Anesthesiologists in Your Department. <i>Anesthesiology</i> , 2016, 125, 1083-1084.	1.3	8
71	Nurse anesthetists' preferences for anesthesiologists' participation in patient care at a large teaching hospital. <i>Journal of Clinical Anesthesia</i> , 2019, 57, 131-138.	0.7	8
72	Anesthesia Scholarship, Research, and Publication. <i>Anesthesia and Analgesia</i> , 2014, 118, 15-17.	1.1	7

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73	Bayesian methods to determine performance differences and to quantify variability among centers in multi-center trials: the IHAST trial. <i>BMC Medical Research Methodology</i> , 2013, 13, 5.	1.4	6
74	Reliability and Validity of Performance Evaluations of Pain Medicine Clinical Faculty by Residents and Fellows Using a Supervision Scale. <i>Anesthesia and Analgesia</i> , 2020, 131, 909-916.	1.1	6
75	Intubation Biomechanics: Clinical Implications of Computational Modeling of Intervertebral Motion and Spinal Cord Strain during Tracheal Intubation in an Intact Cervical Spine. <i>Anesthesiology</i> , 2021, 135, 1055-1065.	1.3	6
76	Perioperative Stroke: The Noncardiac Surgery Patient. <i>International Anesthesiology Clinics</i> , 1986, 24, 101-134.	0.3	5
77	Intubation biomechanics: validation of a finite element model of cervical spine motion during endotracheal intubation in intact and injured conditions. <i>Journal of Neurosurgery: Spine</i> , 2018, 28, 10-22.	0.9	5
78	The Overpowered Mega-study Is a New Class of Study Needing a New Way of Being Reviewed. <i>Anesthesiology</i> , 2014, 120, 245-246.	1.3	5
79	Association between leniency of anesthesiologists when evaluating certified registered nurse anesthetists and when evaluating didactic lectures. <i>Health Care Management Science</i> , 2020, 23, 640-648.	1.5	4
80	Malignant esophago-respiratory tract fistulas: anesthetic considerations for exclusion procedures using esophageal bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1987, 1, 438-447.	0.2	3
81	Cerebral Oxygenation during Hypothermic Cardiopulmonary Bypass. <i>Anesthesiology</i> , 1996, 84, 1008.	1.3	3
82	Blood warms as it flows retrograde from a femoral cannulation site to the carotid artery during cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 1994, 9, 393-397.	0.5	2
83	C1â€C2 Motion During C-MAC D-Blade Videolaryngoscopy and Endotracheal Intubation in 2 Patients With Type II Odontoid Fractures. <i>A&A Practice</i> , 2019, 13, 121-123.	0.2	2
84	Sex-Specific Intubation Biomechanics: Intubation Forces Are Greater in Male Than in Female Patients, Independent of Body Weight. <i>Cureus</i> , 2020, 12, e8749.	0.2	2
85	Cervical Injury after Videolaryngoscopy in Patient with Ankylosing Spondylitis: Comment. <i>Anesthesiology</i> , 2022, 136, 517-519.	1.3	2
86	A PROSPECTIVE, OBSERVATIONAL TRIAL OF FEVER REDUCTION ON SYSTEMIC OXYGEN CONSUMPTION IN TRAUMATIC BRAIN INJURY. <i>Critical Care Medicine</i> , 2004, 32, A104.	0.4	1
87	Manual In-Line Stabilization Increases Pressure Applied by the Laryngoscope Blade During Direct Laryngoscopy and Orotracheal Intubation. <i>Survey of Anesthesiology</i> , 2011, 55, 54.	0.1	1
88	Laryngoscope Force and Cervical Spine Motion During Intubation With Macintosh and Airtraq Laryngoscopes. <i>Survey of Anesthesiology</i> , 2015, 59, 71-72.	0.1	1
89	In reply: Clinical supervision: what does it mean to be better?. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 1273-1274.	0.7	1
90	Cervical Spine Anatomy and Physiology for the Anesthesiologists. <i>Refresher Courses in Anesthesiology</i> , 2003, 31, 189-202.	0.1	1

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91	Binomial entropy of anesthesiologists'™ ratings of nurse anesthetists'™ clinical performance explains information loss when adjusting evaluations for rater leniency. <i>Perioperative Care and Operating Room Management</i> , 2022, 27, 100247.	0.2	1
92	Relationship Between Glottic View and Intubation Force During Macintosh and Airtraq Laryngoscopy and Intubation. <i>Anesthesia and Analgesia</i> , 2022, 135, 815-819.	1.1	1
93	Intubation biomechanics: Computational modeling to identify methods to minimize cervical spine motion and spinal cord strain during laryngoscopy and tracheal intubation in an intact cervical spine. <i>Journal of Clinical Anesthesia</i> , 2022, 81, 110909.	0.7	1
94	Marked Hemodilution Increases Neurologic Injury After Focal Cerebral Ischemia in Rabbits. <i>Survey of Anesthesiology</i> , 1997, 41, 21.	0.1	0
95	The Implementation of Quantitative Electromyographic Neuromuscular Monitoring in an Academic Anesthesia Department. <i>Survey of Anesthesiology</i> , 2015, 59, 58-59.	0.1	0
96	Lateral Cervical Spine Radiography to Demonstrate Absence of Bony Displacement After Intubation in a Patient with an Acute Type III Odontoid Fracture. <i>A & A Case Reports</i> , 2015, 5, 25-28.	0.7	0
97	Intubation Biomechanics. <i>Survey of Anesthesiology</i> , 2016, 60, 108.	0.1	0
98	Letter by Dexter and Hindman Regarding Article, "Anesthesia Technique and Outcomes of Mechanical Thrombectomy in Patients With Acute Ischemic Stroke". <i>Stroke</i> , 2017, 48, e117-e117.	1.0	0
99	Effect of Insufficient Interaction on the Evaluation of Anesthesiologists'™ Quality of Clinical Supervision by Anesthesiology Residents and Fellows. <i>Cureus</i> , 2022, 14, e23500.	0.2	0