Adrian W Gelb

List of Publications by Year
in descending order

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114 papers	4,712 citations	101543 36 h-index	106344 65 g-index
119 all docs	119 docs citations	119 times ranked	3866 citing authors

#	Article	IF	Citations
1	Initiatives to support rural access to anesthesia. Canadian Journal of Anaesthesia, 2022, , 1.	1.6	1
2	Improving perioperative brain health: an expert consensus review of key actions for the perioperative care team. British Journal of Anaesthesia, 2021, 126, 423-432.	3.4	78
3	The World Federation of Societies of Anaesthesiologists Minimum Capnometer Specifications 2021â€"A Guide for Health Care Decision Makers. Anesthesia and Analgesia, 2021, 133, 1132-1137.	2.2	5
4	Global surgery, obstetric, and anaesthesia indicator definitions and reporting: An Utstein consensus report. PLoS Medicine, 2021, 18, e1003749.	8.4	28
5	Assessment of Anesthesia Capacity in Public Surgical Hospitals in Guatemala. Anesthesia and Analgesia, 2021, 132, 536-544.	2.2	6
6	Choice of ANesthesia for EndoVAScular Treatment of Acute Ischemic Stroke (CANVAS): Results of the CANVAS Pilot Randomized Controlled Trial. Journal of Neurosurgical Anesthesiology, 2020, 32, 41-47.	1.2	38
7	Anesthesia for meningioma surgery. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 169, 285-295.	1.8	0
8	72nd World Health Assembly, Geneva, Switzerland, 2019. Anesthesia and Analgesia, 2020, 130, e92-e94.	2.2	5
9	Perioperative Care of Patients at High Risk for Stroke During or After Non-cardiac, Non-neurological Surgery: 2020 Guidelines From the Society for Neuroscience in Anesthesiology and Critical Care. Journal of Neurosurgical Anesthesiology, 2020, 32, 210-226.	1.2	36
10	Global PRoMiSe (Perioperative Recommendations for Medication Safety): protocol for a mixed-methods study. BMJ Open, 2020, 10, e038313.	1.9	3
11	Impact of capnography on patient safety in high- and low-income settings: a scoping review. British Journal of Anaesthesia, 2020, 125, e88-e103.	3.4	15
12	Perspectives on Dexmedetomidine Use for Neurosurgical Patients. Journal of Neurosurgical Anesthesiology, 2019, 31, 366-377.	1.2	39
13	Perceptions of Perioperative Stroke Among Chinese Anesthesiologists. Anesthesia and Analgesia, 2019, 128, 191-196.	2.2	7
14	Midazolam Sedation Induces Upper Limb Coordination Deficits That Are Reversed by Flumazenil in Patients with Eloquent Area Gliomas. Anesthesiology, 2019, 131, 36-45.	2.5	12
15	Anesthesia Provider Training and Practice Models. Anesthesia and Analgesia, 2019, 129, 839-846.	2.2	26
16	The need to collect, aggregate, and analyze global anesthesia and surgery data. Canadian Journal of Anaesthesia, 2019, 66, 218-229.	1.6	17
17	The path to safe and accessible anaesthesia care. Indian Journal of Anaesthesia, 2019, 63, 965.	1.0	9
18	Chinese Anesthesiologists Have High Burnout and Low Job Satisfaction: A Cross-Sectional Survey. Anesthesia and Analgesia, 2018, 126, 1004-1012.	2.2	65

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19	The Correlation Between Recordable MEPs and Motor Function During Spinal Surgery for Resection of Thoracic Spinal Cord Tumor. Journal of Neurosurgical Anesthesiology, 2018, 30, 39-43.	1.2	15
20	Blood Pressure Targets in Perioperative Care. Hypertension, 2018, 72, 806-817.	2.7	96
21	World Health Organization-World Federation of Societies of Anaesthesiologists (WHO-WFSA) International Standards for a Safe Practice of Anesthesia. Canadian Journal of Anaesthesia, 2018, 65, 698-708.	1.6	100
22	Choice of ANesthesia for EndoVAScular Treatment of Acute Ischemic Stroke: Protocol for a randomized controlled (CANVAS) trial. International Journal of Stroke, 2017, 12, 991-997.	5.9	18
23	The Need for a Global Perspective on Task-Sharing in Anesthesia. Anesthesia and Analgesia, 2017, 125, 1049-1052.	2.2	32
24	In Reply. Anesthesiology, 2016, 124, 1198-1198.	2.5	1
25	Mild Sedation Exacerbates or Unmasks Focal Neurologic Dysfunction in Neurosurgical Patients with Supratentorial Brain Mass Lesions in a Drug-specific Manner. Anesthesiology, 2016, 124, 598-607.	2.5	38
26	In Reply. Anesthesiology, 2016, 125, 606-606.	2.5	0
27	Recognition and Management of Perioperative Stroke in Hospitalized Patients. A & A Case Reports, 2016, 7, 55-56.	0.7	24
28	The Bare Minimum Requires Caution. World Journal of Surgery, 2016, 40, 2821-2822.	1.6	4
29	Monitoring cerebral tissue oxygen saturation at frontal and parietal regions during carotid artery stenting. Journal of Anesthesia, 2016, 30, 340-344.	1.7	2
30	Awake brain tumor resection during pregnancy: Decision making and technical nuances. Journal of Clinical Neuroscience, 2016, 24, 160-162.	1.5	22
31	Motor System Interactions in the Beta Band Decrease during Loss of Consciousness. Journal of Cognitive Neuroscience, 2016, 28, 84-95.	2.3	11
32	Regulation of Cerebral Autoregulation by Carbon Dioxide. Anesthesiology, 2015, 122, 196-205.	2.5	207
33	Cardiac Output and Cerebral Blood Flow. Anesthesiology, 2015, 123, 1198-1208.	2.5	225
34	The Potential Benefits of Awake Craniotomy for Brain Tumor Resection. Journal of Neurosurgical Anesthesiology, 2015, 27, 310-317.	1.2	53
35	OximetrÃa cerebral: tres preguntas esenciales. Colombian Journal of Anesthesiology, 2015, 43, 52-56.	0.1	5
36	Anesthesia for the surgical treatment of cerebral aneurysms. Colombian Journal of Anesthesiology, 2015, 43, 45-51.	0.1	3

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37	Preoperative Medical Testing in Medicare Patients Undergoing Cataract Surgery. New England Journal of Medicine, 2015, 372, 1530-1538.	27.0	117
38	Awake craniotomy in a patient with ejection fraction of 10%: considerations of cerebrovascular and cardiovascular physiology. Journal of Clinical Anesthesia, 2015, 27, 256-261.	1.6	13
39	Preoperative Testing in Patients Undergoing Cataract Surgery. New England Journal of Medicine, 2015, 373, 285-286.	27.0	4
40	Perioperative Stroke. Refresher Courses in Anesthesiology, 2014, 42, 100-107.	0.1	2
41	Perioperative Care of Patients at High Risk for Stroke during or after Non-Cardiac, Non-Neurologic Surgery. Journal of Neurosurgical Anesthesiology, 2014, 26, 273-285.	1.2	117
42	Situation Awareness in Anesthesia. Anesthesiology, 2013, 118, 729-742.	2.5	196
43	The use of motor evoked potential monitoring during cerebral aneurysm surgery to predict pure motor deficits due to subcortical ischemia. Clinical Neurophysiology, 2011, 122, 648-655.	1.5	96
44	False Negatives, Muscle Relaxants, and Motor-evoked Potentials. Journal of Neurosurgical Anesthesiology, 2011, 23, 64.	1.2	19
45	The Long-Term Effect of Four Hours of Hyperventilation on Neurocognitive Performance and Lesion Size After Controlled Cortical Impact in Rats. Anesthesia and Analgesia, 2010, 110, 181-187.	2.2	16
46	Independent Associations Between Electrocardiographic Abnormalities and Outcomes in Patients With Aneurysmal Subarachnoid Hemorrhage. Stroke, 2009, 40, 412-418.	2.0	53
47	Hyponatremia and Subarachnoid Hemorrhage: Will That Be One Pinch or Two of Salt?. Anesthesia and Analgesia, 2009, 108, 1734-1735.	2.2	8
48	Does Hyperventilation Improve Operating Condition During Supratentorial Craniotomy? A Multicenter Randomized Crossover Trial. Anesthesia and Analgesia, 2008, 106, 585-594.	2.2	84
49	Sex and Gender in the Perioperative Period: Wake Up to Reality. Anesthesia and Analgesia, 2008, 107, 1-3.	2.2	4
50	Cardiovascular Predictors of In-Patient Mortality After Subarachnoid Hemorrhage. Neurocritical Care, 2006, 5, 102-107.	2.4	71
51	Cervical Spine Motion: A Fluoroscopic Comparison During Intubation with Lighted Stylet, GlideScope, and Macintosh Laryngoscope. Anesthesia and Analgesia, 2005, 101, 910-915.	2.2	215
52	Reflex-Mediated Reduction in Human Cerebral Blood Volume. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 136-143.	4.3	30
53	Relating drug-induced changes in carotid artery mechanics to cardiovagal and sympathetic baroreflex control. Canadian Journal of Physiology and Pharmacology, 2005, 83, 439-446.	1.4	13
54	Orthostatic Hypotension Occurs Frequently in the First Hour After Anesthesia. Anesthesia and Analgesia, 2004, 98, 40-45.	2.2	37

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55	The Comparative Effects of Desflurane and Isoflurane on Lumbar Cerebrospinal Fluid Pressure in Patients Undergoing Craniotomy for Supratentorial Tumors. Anesthesia and Analgesia, 2004, 98, 1127-1132.	2.2	30
56	Venous Oxygen Embolism Produced by Injection of Hydrogen Peroxide into an Enterocutaneous Fistula. Anesthesia and Analgesia, 2004, 99, 1861-1863.	2.2	24
57	The long-term survival of baboon-to-monkey kidney and liver xenografts*. Xenotransplantation, 2003, 10, 398-409.	2.8	9
58	The Effect of Hypothermia on the Expression of the Apoptosis-Regulating Protein Bax After Incomplete Cerebral Ischemia and Reperfusion in Rats. Journal of Neurosurgical Anesthesiology, 2003, 15, 200-208.	1.2	24
59	Chapter 5 Control of the Cerebral Circulation. Refresher Courses in Anesthesiology, 2003, 31, 35-45.	0.1	0
60	Cerebral Blood Volume and Blood Flow Responses to Hyperventilation in Brain Tumors During Isoflurane or Propofol Anesthesia. Anesthesia and Analgesia, 2002, 94, 661-666.	2.2	31
61	Neuroprotection During Carotid Endarterectomy. Seminars in Cardiothoracic and Vascular Anesthesia, 2002, 6, 21-25.	1.0	0
62	Sedative Doses of Remifentanil Have Minimal Effect on ECoG Spike Activity During Awake Epilepsy Surgery. Journal of Neurosurgical Anesthesiology, 2002, 14, 55-58.	1.2	44
63	Cold Comfort From Tepid Temperatures. Journal of Neurosurgical Anesthesiology, 2002, 14, 277-278.	1.2	1
64	Free Radicals, Antioxidants, and Neurologic Injury: Possible Relationship to Cerebral Protection by Anesthetics. Journal of Neurosurgical Anesthesiology, 2002, 14, 66-79.	1.2	107
65	Phenylephrine Increases Cerebral Perfusion Pressure Without Increasing Intracranial Pressure in Rabbits With Balloon-Elevated Intracranial Pressure. Journal of Neurosurgical Anesthesiology, 2002, 14, 31-34.	1.2	4
66	Perfusion Mapping Using Computed Tomography Allows Accurate Prediction of Cerebral Infarction in Experimental Brain Ischemia. Stroke, 2001, 32, 175-183.	2.0	112
67	The Effects of Propofol in the Area Postrema of Rats. Anesthesia and Analgesia, 2001, 92, 934-942.	2.2	76
68	Propofol Protection of Sodium-Hydrogen Exchange Activity Sustains Glutamate Uptake During Oxidative Stress. Anesthesia and Analgesia, 2001, 93, 1199-1204.	2.2	47
69	The Amygdala and Cardiovascular Control. Journal of Neurosurgical Anesthesiology, 2001, 13, 285-287.	1.2	7
70	Cerebral Blood Volume and Blood Flow at Varying Arterial Carbon Dioxide Tension Levels in Rabbits During Propofol Anesthesia. Anesthesia and Analgesia, 2000, 90, 1376-1383.	2.2	41
71	Glutamate stimulates ascorbate transport by astrocytes. Brain Research, 2000, 858, 61-66.	2.2	100
72	Rate of change of cerebral blood flow velocity with hyperventilation during anesthesia in humans. Canadian Journal of Anaesthesia, 2000, 47, 125-130.	1.6	5

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73	Mild Hypothermia as a Protective Therapy during Intracranial Aneurysm Surgery: A Randomized Prospective Pilot Trial. Neurosurgery, 1999, 44, 23-32.	1.1	199
74	CT Assessment of Cerebral Perfusion: Experimental Validation and Initial Clinical Experience. Radiology, 1999, 213, 141-149.	7.3	239
75	Effect of Nitrous Oxide on Cerebral Blood Flow Velocity After Induction of Hypocapnia. Survey of Anesthesiology, 1999, 43, 211-212.	0.1	0
76	Myocardial Infarction After Noncardiac Surgery. Survey of Anesthesiology, 1999, 43, 94.	0.1	1
77	Quantitative Assessment of Cerebral Hemodynamics Using CT: Stability, Accuracy, and Precision Studies in Dogs. Journal of Computer Assisted Tomography, 1999, 23, 506-515.	0.9	102
78	Propofol and Hyperventilation for the Treatment of Increased Intracranial Pressure in Rabbits. Anesthesia and Analgesia, 1998, 87, 564-568.	2.2	34
79	Effect of Nitrous Oxide on Cerebral Blood Flow Velocity After Induction of Hypocapnia. Journal of Neurosurgical Anesthesiology, 1998, 10, 142-145.	1.2	15
80	Propofol Sedation During Awake Craniotomy for Seizures. Survey of Anesthesiology, 1998, 42, 207.	0.1	0
81	Propofol Sedation During Awake Craniotomy for Seizures. Survey of Anesthesiology, 1998, 42, 208.	0.1	0
82	Patient-Controlled Sedation Using Propofol During Interventional Neuroradiologic Procedures. Journal of Neurosurgical Anesthesiology, 1997, 9, 237-241.	1.2	13
83	Propofol Sedation During Awake Craniotomy for Seizures. Anesthesia and Analgesia, 1997, 84, 1280-1284.	2.2	62
84	Propofol Sedation During Awake Craniotomy for Seizures. Anesthesia and Analgesia, 1997, 84, 1285-1291.	2.2	97
85	Magnesium deficiency increases ketamine sensitivity in rats. Canadian Journal of Anaesthesia, 1997, 44, 883-890.	1.6	17
86	Propofol patient-controlled sÃ©dation during hip or knee arthroplasty in elderly patients. Canadian Journal of Anaesthesia, 1997, 44, 385-389.	1.6	32
87	The in vitro and in vivo influence of propofol on hemorheological parameters: A randomised, double blind study in patients undergoing minor orthopedic surgery. Clinical Hemorheology and Microcirculation, 1996, 16, 533-541.	1.7	0
88	Patient-controlled propofol sedation for elderly patients: safety and patient attitude toward control. Canadian Journal of Anaesthesia, 1996, 43, 1014-1018.	1.6	34
89	Propofol Induces Dilation and Inhibits Constriction in Guinea Pig Basilar Arteries. Anesthesia and Analgesia, 1996, 83, 472-476.	2.2	35
90	Propofol Differentially Attenuates the Responses to Exogenous and Endogenous Norepinephrine in the Isolated Rat Femoral Artery In Vitro. Anesthesia and Analgesia, 1995, 80, 793-799.	2.2	27

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91	Predicting Perioperative Stroke. Journal of Neurosurgical Anesthesiology, 1995, 7, 211-215.	1.2	23
92	Actions of propofol on pontine neurons controlling arterial pressure in rats. Canadian Journal of Anaesthesia, 1995, 42, 150-157.	1.6	5
93	Anesthesia for interventional neuroradiology. Journal of Clinical Anesthesia, 1995, 7, 448-452.	1.6	26
94	Hemorrheological changes associated with brain death and their implications for potential organ donors. Transplant International, 1995, 8, 147-151.	1.6	0
95	Evoked potential monitoring during posterior fossa aneurysm surgery: a comparison of two modalities. Canadian Journal of Anaesthesia, 1994, 41, 92-97.	1.6	88
96	ANESTHETIC CONSIDERATIONS FOR THE PREVIOUSLY TRANSPLANTED PATIENT. Anesthesiology Clinics, 1994, 12, 827-843.	1.4	9
97	Comparison of fentanyl, sufentanil and alfentanil during awake craniotomy for epilepsy. Canadian Journal of Anaesthesia, 1993, 40, 421-424.	1.6	75
98	Action of propofol on central sympathetic mechanisms controlling blood pressure. Canadian Journal of Anaesthesia, 1993, 40, 761-769.	1.6	63
99	Anesthesia for intracranial aneurysm surgery. Journal of Clinical Anesthesia, 1992, 4, 73-85.	1.6	10
100	Methylparaben and propylparaben do not alter cerebral blood flow in humans. Canadian Journal of Anaesthesia, 1992, 39, 691-694.	1.6	9
101	Isoflurane Alters the Kinetics of Oral Cyclosporine. Anesthesia and Analgesia, 1991, 72, 801???804.	2.2	18
102	Effects of Fentanyl, Sufentanil, and Alfentanil on Brain Retractor Pressure. Anesthesia and Analgesia, 1991, 72, 359???363.	2.2	34
103	Succinylcholine Does Not Increase Serum Potassium Levels in Patients With Acutely Ruptured Cerebral Aneurysms. Anesthesia and Analgesia, 1990, 70, 172???175.	2.2	6
104	Perioperative Monitoring of the Electrocardiogram During Cerebral Aneurysm Surgery. Journal of Neurosurgical Anesthesiology, 1990, 2, 16-22.	1.2	13
105	Preoperative anxiety: detection and contributing factors. Canadian Journal of Anaesthesia, 1990, 37, 444-447.	1.6	202
106	Anaesthetic management of the brain dead for organ donation. Canadian Journal of Anaesthesia, 1990, 37, 806-812.	1.6	41
107	Brain tolerance to middle cerebral artery occlusion during hypotension in primates. World Neurosurgery, 1989, 31, 6-13.	1.3	7
108	Local Anesthetics in Cerebral Ischemia. Journal of Neurosurgical Anesthesiology, 1989, 1, 383-386.	1.2	2

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109	Isoflurane for the Management of Status Epilepticus. DICP: the Annals of Pharmacotherapy, 1989, 23, 579-581.	0.2	16
110	The stress response to induced hypotension for cerebral aneurysm surgery: a comparison of two hypotensive techniques. Canadian Journal of Anaesthesia, 1988, 35, 111-115.	1.6	31
111	The effects of a prophylactic bolus of lidocaine in focal cerebral ischaemia. Canadian Journal of Anaesthesia, 1988, 35, 489-493.	1.6	14
112	Electrocardiographic changes during and after isoflurane-induced hypotension for neurovascular surgery. Canadian Journal of Anaesthesia, 1987, 34, 549-554.	1.6	6
113	The effect of high-dose mannitol on serum and urine electrolytes and osmolality in neurosurgical patients. Canadian Journal of Anaesthesia, 1987, 34, 442-446.	1.6	103
114	Anesthetic Considerations for Carotid Endarterectomy. International Anesthesiology Clinics, 1984, 22, 153-164.	0.8	0