

Richard L Applegate Ii

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,698
citations

304743

22
h-index

302126

39
g-index

79
all docs

79
docs citations

79
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	The Accuracy of Noninvasive and Continuous Total Hemoglobin Measurement by Pulse CO-Oximetry in Human Subjects Undergoing Hemodilution. <i>Anesthesia and Analgesia</i> , 2010, 111, 1424-1426.	2.2	165
2	Persistent sacral nerve root deficits after continuous spinal anaesthesia. <i>Canadian Journal of Anaesthesia</i> , 1991, 38, 908-911.	1.6	131
3	Outcome impact of goal directed fluid therapy during high risk abdominal surgery in low to moderate risk patients: a randomized controlled trial. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 249-257.	1.6	96
4	Comparison of web-based and face-to-face interviews for application to an anesthesiology training program: a pilot study. <i>International Journal of Medical Education</i> , 2016, 7, 102-108.	1.2	93
5	Ischemic conditioning-induced endogenous brain protection: Applications pre-, per- or post-stroke. <i>Experimental Neurology</i> , 2015, 272, 26-40.	4.1	85
6	Telemedicine Pre-anesthesia Evaluation: A Randomized Pilot Trial. <i>Telemedicine Journal and E-Health</i> , 2013, 19, 211-216.	2.8	73
7	What's New in Traumatic Brain Injury: Update on Tracking, Monitoring and Treatment. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11903-11965.	4.1	64
8	The Relationship Between Oxygen Reserve Index and Arterial Partial Pressure of Oxygen During Surgery. <i>Anesthesia and Analgesia</i> , 2016, 123, 626-633.	2.2	64
9	Evaluation of Pulse Coximetry in Patients Undergoing Abdominal or Pelvic Surgery. <i>Anesthesiology</i> , 2012, 116, 65-72.	2.5	55
10	Phosphoinositide 3-Kinase Gamma Contributes to Neuroinflammation in a Rat Model of Surgical Brain Injury. <i>Journal of Neuroscience</i> , 2015, 35, 10390-10401.	3.6	46
11	Salt, Starch, and Water on the Brain. <i>Journal of Neurosurgical Anesthesiology</i> , 1996, 8, 178-182.	1.2	45
12	Analgesic effectiveness of acetaminophen for primary cleft palate repair in young children: a randomized placebo controlled trial. <i>Paediatric Anaesthesia</i> , 2014, 24, 574-581.	1.1	44
13	The role of Volatile Anesthetics in Cardioprotection: a systematic review. <i>Medical Gas Research</i> , 2012, 2, 22.	2.3	43
14	Effect of Dexmedetomidine on Cardiac Surgery-Associated Acute Kidney Injury: A Meta-Analysis With Trial Sequential Analysis of Randomized Controlled Trials. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 603-613.	1.3	40
15	Deep Hypothermia and Circulatory Arrest in Adults. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2007, 11, 66-76.	1.0	35
16	Sedation After Cardiac Surgery: Is One Drug Better Than Another?. <i>Anesthesia and Analgesia</i> , 2017, 124, 1061-1070.	2.2	34
17	Phase I and Phase II Therapies for Acute Ischemic Stroke: An Update on Currently Studied Drugs in Clinical Research. <i>BioMed Research International</i> , 2017, 2017, 1-14.	1.9	33
18	A systematic review of neuroprotective strategies after cardiac arrest: from bench to bedside (Part I) <i>TJ ETQq000 rgBT /Qverlock 10</i>	2.3	29

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19	Cognitive dysfunction following desflurane versus sevoflurane general anesthesia in elderly patients: a randomized controlled trial. Medical Gas Research, 2014, 4, 6.	2.3	27
20	Effect of Dexmedetomidine on Brain Edema and Neurological Outcomes in Surgical Brain Injury in Rats. Anesthesia and Analgesia, 2012, 115, 154-159.	2.2	25
21	A systematic review of neuroprotective strategies after cardiac arrest: from bench to bedside (part) Tj ETQq1 1 0.784314 rgBTJ/Overlo	2.3	25
22	Anti-neutrophil antibody enhances the neuroprotective effects of G-CSF by decreasing number of neutrophils in hypoxic ischemic neonatal rat model. Neurobiology of Disease, 2014, 69, 192-199.	4.4	23
23	Serial proton magnetic resonance spectroscopy of the brain in children undergoing cardiac surgery. Pediatric Neurology, 2003, 29, 99-110.	2.1	22
24	The Relationship of Intravenous Dextrose Administration During Emergence from Anesthesia to Postoperative Nausea and Vomiting. Anesthesia and Analgesia, 2013, 117, 34-42.	2.2	21
25	Perioperative dexmedetomidine and 5-year survival in patients undergoing cardiac surgery. British Journal of Anaesthesia, 2021, 127, 215-223.	3.4	21
26	Frailty, Race/Ethnicity, Functional Status, and Adverse Outcomes After Total Hip/Knee Arthroplasty: A Moderation Analysis. Journal of Arthroplasty, 2021, 36, 1895-1903.	3.1	19
27	Preoperative mucosal tolerance to brain antigens and a neuroprotective immune response following surgical brain injury. Journal of Neurosurgery, 2012, 116, 246-253.	1.6	18
28	Association of Plasma Dilution With Cardiopulmonary Bypass-Associated Bleeding and Morbidity. Journal of Cardiothoracic and Vascular Anesthesia, 2013, 27, 845-852.	1.3	18
29	Comparison of the GlideScope Cobalt® and Storz DCI® Video Laryngoscopes in Children Younger Than 2 Years of Age During Manual In-Line Stabilization. Pediatric Emergency Care, 2017, 33, 467-473.	0.9	17
30	The Use of Transesophageal Echocardiography to Guide Sternal Division for Cardiac Operations Via Mini-Sternotomy. Journal of Cardiac Surgery, 1997, 12, 67-70.	0.7	16
31	NONINVASIVE MEASUREMENT OF CONTINUOUS HEMOGLOBIN CONCENTRATION VIA PULSE CO-OXIMETRY. Chest, 2007, 132, 493C.	0.8	16
32	Isoflurane Post-Treatment Ameliorates GMH-Induced Brain Injury in Neonatal Rats. Stroke, 2013, 44, 3587-3590.	2.0	15
33	Adverse effect of inhalational anesthetics on the developing brain. Medical Gas Research, 2014, 4, 2.	2.3	15
34	Is it the time to reconsider the choice of valves for cardiac surgery: mechanical or bioprosthetic?. Journal of Biomedical Research, 2017, 31, 373.	1.6	15
35	Impact of rocuronium vs succinylcholine neuromuscular blocking drug choice for laparoscopic pyloromyotomy: is there a difference in time to transport to recovery?. Paediatric Anaesthesia, 2013, 23, 316-321.	1.1	14
36	Effect of Oncotic Pressure of Diaspirin Cross-Linked Hemoglobin (DCLHb Trademark) on Brain Injury After Temporary Focal Cerebral Ischemia in Rats. Anesthesia and Analgesia, 1996, 83, 342-347.	2.2	13

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37	Advanced Monitoring Is Associated with Fewer Alarm Events During Planned Moderate Procedure-Related Sedation. <i>Anesthesia and Analgesia</i> , 2016, 122, 1070-1078.	2.2	13
38	Perioperative Dexmedetomidine Improves Outcomes of Kidney Transplant. <i>Clinical and Translational Science</i> , 2020, 13, 1279-1287.	3.1	12
39	Oxygen Reserve Index: Utility as an Early Warning for Desaturation in High-Risk Surgical Patients. <i>Anesthesia and Analgesia</i> , 2021, 132, 770-776.	2.2	12
40	Inhalation of high concentration hydrogen gas improves short-term outcomes in a rat model of asphyxia induced-cardiac arrest. <i>Medical Gas Research</i> , 2018, 8, 73.	2.3	12
41	An Experimental Model of Vasovagal Syncope Induces Cerebral Hypoperfusion and Fainting-Like Behavior in Awake Rats. <i>PLoS ONE</i> , 2016, 11, e0163280.	2.5	11
42	Accurate Placement of the Right Atrial Air Aspiration Catheter: A Descriptive Study and Prospective Trial of Intravascular Electrocardiography. <i>Anesthesia and Analgesia</i> , 2006, 103, 435-438.	2.2	10
43	Inhalation of high-concentration hydrogen gas attenuates cognitive deficits in a rat model of asphyxia induced-cardiac arrest. <i>Medical Gas Research</i> , 2019, 9, 122.	2.3	10
44	Study of early warning for desaturation provided by Oxygen Reserve Index in obese patients. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 749-756.	1.6	9
45	Beta Blockade and Clinical Outcomes in Aneurysmal Subarachnoid Hemorrhage. <i>The Open Neurology Journal</i> , 2016, 10, 155-163.	0.4	9
46	A comparison of postoperative outcomes with PDA ligation in the OR versus the NICU: a retrospective cohort study on the risks of transport. <i>BMC Anesthesiology</i> , 2018, 18, 199.	1.8	8
47	Multicenter comparison of three intraoperative hemoglobin trend monitoring methods. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 883-892.	1.6	8
48	Comparison of Oral Loading Dose to Intravenous Acetaminophen in Children for Analgesia After Tonsillectomy and Adenoidectomy: A Randomized Clinical Trial. <i>Anesthesia and Analgesia</i> , 2021, 133, 1568-1576.	2.2	7
49	Intraoperative Red Blood Cell Transfusion in Infant Heart Transplant Patients Is Not Associated with Worsened Outcomes. <i>Anesthesia and Analgesia</i> , 2016, 122, 1567-1577.	2.2	6
50	Pharmacological Management Options to Prevent and Reduce Ischemic Hemorrhagic Transformation. <i>Current Drug Targets</i> , 2017, 18, 1441-1459.	2.1	6
51	Retrospective Cohort Study on the Optimal Timing of Orogastric Tube/Nasogastric Tube Insertion in Infants With Pyloric Stenosis. <i>Anesthesia and Analgesia</i> , 2019, 129, 1079-1086.	2.2	5
52	Management of Near-Complete Airway Obstruction Caused by a Vallecular Cyst in an Infant Using a Tongue Tip Traction Suture. <i>A & A Case Reports</i> , 2016, 6, 31-33.	0.7	4
53	A comparison of midazolam and zolpidem as oral premedication in children, a prospective randomized double-blind clinical trial. <i>Paediatric Anaesthesia</i> , 2018, 28, 1109-1115.	1.1	4
54	COMPARISON OF INDIRECT VIDEO LARYNGOSCOPES IN CHILDREN YOUNGER THAN TWO YEARS OF AGE: A RANDOMIZED TRAINEE EVALUATION STUDY. <i>Middle East Journal of Anesthesiology</i> , 2016, 23, 401-10.	0.2	4

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55	Anesthesia for Noncardiac Surgery in Pediatric Patients Following Cardiac Transplantation. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2001, 5, 62-66.	1.0	3
56	Evaluation of Multiple Modes of Oximetry Monitoring as an Index of Splanchnic Blood Flow in a Newborn Lamb Model of Hypoxic, Ischemic, and Hemorrhagic Stress. <i>Shock</i> , 2013, 39, 501-506.	2.1	3
57	Use of Esophageal Hemoximetry to Assess the Effect of Packed Red Blood Cell Transfusion on Gastrointestinal Oxygenation in Newborn Infants. <i>American Journal of Perinatology</i> , 2017, 34, 735-741.	1.4	3
58	Impact of preoperative pectoralis plane nerve blocks for mastectomy on perioperative opioid consumption: a retrospective study. <i>Pain Management</i> , 2020, 10, 159-165.	1.5	3
59	Valproic Acid Pretreatment Reduces Brain Edema in a Rat Model of Surgical Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2016, 121, 305-310.	1.0	3
60	Epsilon Aminocaproic Acid Pretreatment Provides Neuroprotection Following Surgically Induced Brain Injury in a Rat Model. <i>Acta Neurochirurgica Supplementum</i> , 2016, 121, 311-315.	1.0	3
61	The Perioperative Management of Asthma. <i>Journal of Allergy & Therapy</i> , 2013, 01, .	0.1	3
62	Remote Asynergy Detected by Biplane Transesophageal Echocardiography During Myocardial Revascularization Without Cardiopulmonary Bypass. <i>Anesthesia and Analgesia</i> , 1991, 73, 642-645.	2.2	2
63	Thrombin Preconditioning in Surgical Brain Injury in Rats. <i>Acta Neurochirurgica Supplementum</i> , 2016, 121, 299-304.	1.0	2
64	Anesthetic Management of Pediatric Cardiac Transplantation. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2001, 5, 55-61.	1.0	1
65	Don't Abandon Martin's Intravascular Electrocardiography Technique!. <i>Anesthesia and Analgesia</i> , 2007, 104, 743.	2.2	1
66	In Response. <i>Anesthesia and Analgesia</i> , 2016, 123, 1643-1644.	2.2	1
67	Continuous Noninvasive Hemodynamic Monitoring in an Infant With Tetra-Amelia. <i>A & A Case Reports</i> , 2016, 7, 123-124.	0.7	1
68	In Response. <i>Anesthesia and Analgesia</i> , 2017, 125, 1822-1823.	2.2	1
69	Current and Emerging Technologies in Hematologic Testing. , 2018, , 65-88.		1
70	Neurophysiology and cerebral function. <i>Current Opinion in Anaesthesiology</i> , 1992, 5, 648-652.	2.0	0
71	Imaging of Cardiac Tumors and Solid and Gaseous Materials. , 2014, , 224-240.		0
72	Extreme Plasma Dilution Decreases Heparin and Protamine Cardiopulmonary Bypass Requirements. <i>A & A Case Reports</i> , 2017, 8, 291-293.	0.7	0

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73	Perioperative dexmedetomidine and 5-year survival in patients undergoing cardiac surgery. Reply to Br J Anaesth 2021; 127: e127â€“8. British Journal of Anaesthesia, 2021, 127, e170-e171.	3.4	0
74	IMMEDIATE EXTUBATION AFTER PROFOUND HYPOTHERMIC CIRCULATORY ARREST. Anesthesia and Analgesia, 1998, 86, 52SCA.	2.2	0
75	Simulation Case: Cardiac Arrest During Pediatric Posterior Spinal Fusion. MedEdPORTAL: the Journal of Teaching and Learning Resources, 0, , .	1.2	0