

# Richard L Applegate Ii

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3091687/publications.pdf>

Version: 2024-02-01

75  
papers

1,698  
citations

304368

22  
h-index

301761

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.	1.1	165
2	Persistent sacral nerve root deficits after continuous spinal anaesthesia. <i>Canadian Journal of Anaesthesia</i> , 1991, 38, 908-911.	0.7	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.	0.7	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.	0.6	93
5	Ischemic conditioning-induced endogenous brain protection: Applications pre-, per- or post-stroke. <i>Experimental Neurology</i> , 2015, 272, 26-40.	2.0	85
6	Telemedicine Pre-anesthesia Evaluation: A Randomized Pilot Trial. <i>Telemedicine Journal and E-Health</i> , 2013, 19, 211-216.	1.6	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.	1.8	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.	1.1	64
9	Evaluation of Pulse Coximetry in Patients Undergoing Abdominal or Pelvic Surgery. <i>Anesthesiology</i> , 2012, 116, 65-72.	1.3	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.	1.7	46
11	Salt, Starch, and Water on the Brain. <i>Journal of Neurosurgical Anesthesiology</i> , 1996, 8, 178-182.	0.6	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.	0.6	44
13	The role of Volatile Anesthetics in Cardioprotection: a systematic review. <i>Medical Gas Research</i> , 2012, 2, 22.	1.2	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.	0.6	40
15	Deep Hypothermia and Circulatory Arrest in Adults. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2007, 11, 66-76.	0.4	35
16	Sedation After Cardiac Surgery: Is One Drug Better Than Another?. <i>Anesthesia and Analgesia</i> , 2017, 124, 1061-1070.	1.1	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.	0.9	33
18	A systematic review of neuroprotective strategies after cardiac arrest: from bench to bedside (Part I) <i>Tj ETQq0 Q 0 rgBT /Overlock 10</i>	1.2	29

#	ARTICLE	IF	CITATIONS
19	Cognitive dysfunction following desflurane versus sevoflurane general anesthesia in elderly patients: a randomized controlled trial. <i>Medical Gas Research</i> , 2014, 4, 6.	1.2	27
20	Effect of Dexmedetomidine on Brain Edema and Neurological Outcomes in Surgical Brain Injury in Rats. <i>Anesthesia and Analgesia</i> , 2012, 115, 154-159.	1.1	25
21	A systematic review of neuroprotective strategies after cardiac arrest: from bench to bedside (part) <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	1.2	25
22	Anti-neutrophil antibody enhances the neuroprotective effects of G-CSF by decreasing number of neutrophils in hypoxic ischemic neonatal rat model. <i>Neurobiology of Disease</i> , 2014, 69, 192-199.	2.1	23
23	Serial proton magnetic resonance spectroscopy of the brain in children undergoing cardiac surgery. <i>Pediatric Neurology</i> , 2003, 29, 99-110.	1.0	22
24	The Relationship of Intravenous Dextrose Administration During Emergence from Anesthesia to Postoperative Nausea and Vomiting. <i>Anesthesia and Analgesia</i> , 2013, 117, 34-42.	1.1	21
25	Perioperative dexmedetomidine and 5-year survival in patients undergoing cardiac surgery. <i>British Journal of Anaesthesia</i> , 2021, 127, 215-223.	1.5	21
26	Frailty, Race/Ethnicity, Functional Status, and Adverse Outcomes After Total Hip/Knee Arthroplasty: A Moderation Analysis. <i>Journal of Arthroplasty</i> , 2021, 36, 1895-1903.	1.5	19
27	Preoperative mucosal tolerance to brain antigens and a neuroprotective immune response following surgical brain injury. <i>Journal of Neurosurgery</i> , 2012, 116, 246-253.	0.9	18
28	Association of Plasma Dilution With Cardiopulmonary Bypass-Associated Bleeding and Morbidity. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2013, 27, 845-852.	0.6	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. <i>Pediatric Emergency Care</i> , 2017, 33, 467-473.	0.5	17
30	The Use of Transesophageal Echocardiography to Guide Sternal Division for Cardiac Operations Via Mini-Sternotomy. <i>Journal of Cardiac Surgery</i> , 1997, 12, 67-70.	0.3	16
31	NONINVASIVE MEASUREMENT OF CONTINUOUS HEMOGLOBIN CONCENTRATION VIA PULSE CO-OXIMETRY. <i>Chest</i> , 2007, 132, 493C.	0.4	16
32	Isoflurane Post-Treatment Ameliorates GMH-Induced Brain Injury in Neonatal Rats. <i>Stroke</i> , 2013, 44, 3587-3590.	1.0	15
33	Adverse effect of inhalational anesthetics on the developing brain. <i>Medical Gas Research</i> , 2014, 4, 2.	1.2	15
34	Is it the time to reconsider the choice of valves for cardiac surgery: mechanical or bioprosthetic?. <i>Journal of Biomedical Research</i> , 2017, 31, 373.	0.7	15
35	Impact of rocuronium vs succinylcholine neuromuscular blocking drug choice for laparoscopic pyloromyotomy: is there a difference in time to transport to recovery?. <i>Paediatric Anaesthesia</i> , 2013, 23, 316-321.	0.6	14
36	Effect of Oncotic Pressure of Diaspirin Cross-Linked Hemoglobin (DCLHb Trademark) on Brain Injury After Temporary Focal Cerebral Ischemia in Rats. <i>Anesthesia and Analgesia</i> , 1996, 83, 342-347.	1.1	13

#	ARTICLE	IF	CITATIONS
37	Advanced Monitoring Is Associated with Fewer Alarm Events During Planned Moderate Procedure-Related Sedation. <i>Anesthesia and Analgesia</i> , 2016, 122, 1070-1078.	1.1	13
38	Perioperative Dexmedetomidine Improves Outcomes of Kidney Transplant. <i>Clinical and Translational Science</i> , 2020, 13, 1279-1287.	1.5	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.	1.1	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.	1.2	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.	1.1	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.	1.1	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.	1.2	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.	0.7	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.	0.7	8
47	Multicenter comparison of three intraoperative hemoglobin trend monitoring methods. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 883-892.	0.7	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.	1.1	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.	1.1	6
50	Pharmacological Management Options to Prevent and Reduce Ischemic Hemorrhagic Transformation. <i>Current Drug Targets</i> , 2017, 18, 1441-1459.	1.0	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.	1.1	5
52	Management of Near-Complete Airway Obstruction Caused by a Vallecular Cyst in an Infant Using a Tongue Tip Traction Suture. <i>A &amp; 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.	0.6	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

#	ARTICLE	IF	CITATIONS
55	Anesthesia for Noncardiac Surgery in Pediatric Patients Following Cardiac Transplantation. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2001, 5, 62-66.	0.4	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.	1.0	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.	0.6	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.	0.7	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.	0.5	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.	0.5	3
61	The Perioperative Management of Asthma. <i>Journal of Allergy &amp; 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.	1.1	2
63	Thrombin Preconditioning in Surgical Brain Injury in Rats. <i>Acta Neurochirurgica Supplementum</i> , 2016, 121, 299-304.	0.5	2
64	Anesthetic Management of Pediatric Cardiac Transplantation. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2001, 5, 55-61.	0.4	1
65	Don't Abandon Martin's Intravascular Electrocardiography Technique!. <i>Anesthesia and Analgesia</i> , 2007, 104, 743.	1.1	1
66	In Response. <i>Anesthesia and Analgesia</i> , 2016, 123, 1643-1644.	1.1	1
67	Continuous Noninvasive Hemodynamic Monitoring in an Infant With Tetra-Amelia. <i>A &amp; A Case Reports</i> , 2016, 7, 123-124.	0.7	1
68	In Response. <i>Anesthesia and Analgesia</i> , 2017, 125, 1822-1823.	1.1	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.	0.9	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 &amp; A Case Reports</i> , 2017, 8, 291-293.	0.7	0

#	ARTICLE	IF	CITATIONS
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.	1.5	0
74	IMMEDIATE EXTUBATION AFTER PROFOUND HYPOTHERMIC CIRCULATORY ARREST. Anesthesia and Analgesia, 1998, 86, 52SCA.	1.1	0
75	Simulation Case: Cardiac Arrest During Pediatric Posterior Spinal Fusion. MedEdPORTAL: the Journal of Teaching and Learning Resources, 0, , .	0.5	0