

# Brian S Donahue

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,055  
citations

304368

22  
h-index

233125

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac Sodium Channel ( <i>SCN5A</i> ) Variants Associated with Atrial Fibrillation. <i>Circulation</i> , 2008, 117, 1927-1935.	1.6	292
2	Mutations in Sodium Channel $\beta$ 1- and $\beta$ 2-Subunits Associated With Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 268-275.	2.1	212
3	Large scale replication and meta-analysis of variants on chromosome 4q25 associated with atrial fibrillation. <i>European Heart Journal</i> , 2008, 30, 813-819.	1.0	193
4	Standardized postoperative handover process improves outcomes in the intensive care unit. <i>Critical Care Medicine</i> , 2012, 40, 2109-2115.	0.4	159
5	Expression of multiple KCNE genes in human heart may enable variable modulation of. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 277-287.	0.9	125
6	Free diffusion coefficient of ionic calcium in cytoplasm. <i>Cell Calcium</i> , 1987, 8, 437-448.	1.1	110
7	Variation in the 4q25 Chromosomal Locus Predicts Atrial Fibrillation After Coronary Artery Bypass Graft Surgery. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 499-506.	5.1	104
8	Factor V Leiden Protects Against Blood Loss and Transfusion After Cardiac Surgery. <i>Circulation</i> , 2003, 107, 1003-1008.	1.6	79
9	Residual lesions in postoperative pediatric cardiac surgery patients receiving extracorporeal membrane oxygenation support. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 434-441.	0.4	70
10	Postoperative complications and association with outcomes in pediatric cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 609-616.e1.	0.4	68
11	Genetic and Clinical Risk Prediction Model for Postoperative Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 25-31.	2.1	49
12	Plasminogen Activator Inhibitor-1 as a Predictor of Postoperative Atrial Fibrillation After Cardiopulmonary Bypass. <i>Circulation</i> , 2007, 116, 1-1-1-7.	1.6	48
13	Risks of Noncardiac Operations and Other Procedures in Children With Complex Congenital Heart Disease. <i>Annals of Thoracic Surgery</i> , 2013, 95, 204-211.	0.7	47
14	Long-term mortality associated with acute kidney injury in children following congenital cardiac surgery. <i>Paediatric Anaesthesia</i> , 2014, 24, 919-926.	0.6	47
15	Implementation of a transfusion algorithm to reduce blood product utilization in pediatric cardiac surgery. <i>Paediatric Anaesthesia</i> , 2013, 23, 639-646.	0.6	45
16	Case "2005. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2005, 19, 109-117.	0.6	41
17	Factor V Leiden and Perioperative Risk. <i>Anesthesia and Analgesia</i> , 2004, 98, 1623-1634.	1.1	37
18	Retrospective Analysis of the Safety and Efficacy of Sugammadex Versus Neostigmine for the Reversal of Neuromuscular Blockade in Children. <i>Anesthesia and Analgesia</i> , 2019, 129, 1124-1129.	1.1	31

#	ARTICLE	IF	CITATIONS
19	Acetaminophen Attenuates Lipid Peroxidation in Children Undergoing Cardiopulmonary Bypass. <i>Pediatric Critical Care Medicine</i> , 2014, 15, 503-510.	0.2	30
20	Association of Blood Products Administration During Cardiopulmonary Bypass and Excessive Post-operative Bleeding in Pediatric Cardiac Surgery. <i>Pediatric Cardiology</i> , 2015, 36, 459-467.	0.6	25
21	Anger Regulation Style, Postoperative Pain, and Relationship to the A118G Mu Opioid Receptor Gene Polymorphism: A Preliminary Study. <i>Journal of Behavioral Medicine</i> , 2006, 29, 161-169.	1.1	24
22	ACE I/D polymorphism associated with abnormal atrial and atrioventricular conduction in lone atrial fibrillation and structural heart disease: Implications for electrical remodeling. <i>Heart Rhythm</i> , 2009, 6, 1327-1332.	0.3	24
23	Variants in the <i>SCN5A</i> Promoter Associated With Various Arrhythmia Phenotypes. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	22
24	Distraction-Free Induction Zone: A Quality Improvement Initiative at a Large Academic Children's Hospital to Improve the Quality and Safety of Anesthetic Care for Our Patients. <i>Anesthesia and Analgesia</i> , 2019, 129, 794-803.	1.1	18
25	Double-Blind, Randomized, Placebo-Controlled Trial Comparing the Effects of Antithrombin Versus Placebo on the Coagulation System in Infants with Low Antithrombin Undergoing Congenital Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 396-402.	0.6	16
26	Perioperative Plasma F2-Isoprostane Levels Correlate With Markers of Impaired Ventilation in Infants With Single-Ventricle Physiology Undergoing Stage 2 Surgical Palliation on the Cardiopulmonary Bypass. <i>Pediatric Cardiology</i> , 2012, 33, 562-568.	0.6	14
27	Perioperative Management of Infants Undergoing Fundoplication and Gastrostomy After Stage I Palliation of Hypoplastic Left Heart Syndrome. <i>Pediatric Cardiology</i> , 2012, 33, 697-704.	0.6	14
28	Genetic variation in the $\beta_1$ -adrenergic receptor is associated with the risk of atrial fibrillation after cardiac surgery. <i>American Heart Journal</i> , 2014, 167, 101-108.e1.	1.2	12
29	Risk factor interactions and genetic effects associated with post-operative atrial fibrillation. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2006, , 584-95.	0.7	12
30	Elective and emergency cardiac surgery on a patient with hemophilia B. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1999, 13, 92-97.	0.6	10
31	Perioperative Genomics. <i>Anesthesiology</i> , 2003, 99, 7-8.	1.3	9
32	Low Arterial Saturation Is Associated With Increased Sensitivity to Activated Protein C in Children With Congenital Heart Disease. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 38-42.	0.6	8
33	Laparoscopic Nissen fundoplication in infants with hypoplastic left heart syndrome. <i>Journal of Pediatric Surgery</i> , 2016, 51, 76-80.	0.8	7
34	Thrombosis after Deep Hypothermic Circulatory Arrest with Antifibrinolytic Therapy: Is Factor V Leiden the Smoking Gun?. <i>Anesthesiology</i> , 2002, 97, 760-761.	1.3	7
35	Tissue Factor and Platelet Glycoprotein Ib- $\alpha$ Alleles Are Associated with Age at First Coronary Bypass Operation. <i>Anesthesiology</i> , 2003, 99, 1287-1294.	1.3	6
36	Malignant Hyperthermia-Like Manifestations in a Two-Month-Old Child With Holt-Oram Syndrome Undergoing Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 1326-1327.	0.6	6

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37	The Response to Activated Protein C After Cardiopulmonary Bypass: Impact of Factor V Leiden. <i>Anesthesia and Analgesia</i> , 2004, 99, 1598-1603.	1.1	5
38	Genetics of Coagulation: Considerations for Cardiac Surgery. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2006, 10, 297-313.	0.4	5
39	Genome-Wide Assessment for Genetic Variants Associated with Ventricular Dysfunction after Primary Coronary Artery Bypass Graft Surgery. <i>PLoS ONE</i> , 2011, 6, e24593.	1.1	5
40	Assessing the Risks of Noncardiac Surgery for Children With Congenital Heart Disease—. <i>Journal of the American College of Cardiology</i> , 2016, 67, 802-803.	1.2	5
41	Infant euthanasia is morally unacceptable. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 1684-1685.	0.4	4
42	In Response. <i>Anesthesia and Analgesia</i> , 2020, 130, e113.	1.1	3
43	Perioperative Management of a Pediatric Patient with Catecholamine-Induced Cardiomyopathy Undergoing Laparoscopic Paraganglioma Excision Requiring Biventricular Assist Device Support. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 999-1002.	0.6	2
44	Evaluation of Dynamic Ultrasound for Arterial Access in Children Undergoing Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1926-1929.	0.6	2
45	Red Cell Transfusion and Thrombotic Risk in Children. <i>Pediatrics</i> , 2020, 145, e20193955.	1.0	2
46	Commentary: Preoperative nutritional status and mortality from cardiac surgery: Do we have your attention yet?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.4	1
47	Response to Letter Regarding Article, "Cardiac Sodium Channel ( SCN5A ) Variants Associated with Atrial Fibrillation". <i>Circulation</i> , 2008, 118, .	1.6	0
48	Response to Letter Regarding Article, "Plasminogen Activator Inhibitor-1 as a Predictor of Postoperative Atrial Fibrillation After Cardiopulmonary Bypass". <i>Circulation</i> , 2008, 117, .	1.6	0
49	Sex matching and red cell safety. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 233-234.	0.4	0
50	Commentary: Coagulation Testing in Pediatric Cardiac Surgery: The Small Picture and the Big Picture. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.4	0