

J Daniel Muehlschlegel

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,311
citations

201385

27
h-index

253896

43
g-index

109
all docs

109
docs citations

109
times ranked

4540
citing authors

#	ARTICLE	IF	CITATIONS
1	The Incidence of New Persistent Opioid Use Following Cardiac Surgery via Sternotomy. <i>Annals of Thoracic Surgery</i> , 2022, 113, 33-40.	0.7	6
2	Association Between Early Extubation and Postoperative Reintubation After Elective Cardiac Surgery: A Bi-institutional Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 1258-1264.	0.6	4
3	Genome-wide association study reveals novel genetic loci: a new polygenic risk score for mitral valve prolapse. <i>European Heart Journal</i> , 2022, 43, 1668-1680.	1.0	25
4	Inflammatory Responses to Surgery and Postoperative Atrial Fibrillation. <i>Anesthesiology</i> , 2022, 136, 877-879.	1.3	1
5	Personalization over Protocolization. <i>Anesthesiology</i> , 2021, 134, 363-365.	1.3	7
6	Trends in personal protective equipment use by clinicians performing airway procedures for patients with coronavirus disease 2019 in the USA from the intubateCOVID registry. <i>British Journal of Anaesthesia</i> , 2021, 126, e184-e186.	1.5	1
7	A Wolf in Sheep's Skin? Postoperative Atrial Fibrillation After Cardiac Surgery and the Risk of Stroke and Mortality. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 3565-3567.	0.6	1
8	Novel and Annotated Long Noncoding RNAs Associated with Ischemia in the Human Heart. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11324.	1.8	4
9	Inconsistent methodology as a barrier to meaningful research outputs from studies of Atrial Fibrillation after Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, , .	0.6	2
10	Joint preoperative transthoracic and intraoperative transoesophageal echocardiographic assessment of functional mitral regurgitation severity provides better association with long-term mortality. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 32, 9-19.	0.5	1
11	Surgical repair of bicuspid aortopathy at small diameters: Clinical and institutional factors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 2216-2226.e2.	0.4	10
12	Retinoids Repress Human Cardiovascular Cell Calcification With Evidence for Distinct Selective Retinoid Modulator Effects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 656-669.	1.1	17
13	Association of Factor V Leiden With Subsequent Atherothrombotic Events. <i>Circulation</i> , 2020, 142, 546-555.	1.6	11
14	Outcomes After Tricuspid Valve Repair With Ring Versus Suture Bicuspidization Annuloplasty. <i>Annals of Thoracic Surgery</i> , 2020, 110, 821-828.	0.7	11
15	A Penny Saved Should Be a Penny Earned. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 898-899.	0.6	0
16	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. <i>Chemical Reviews</i> , 2019, 119, 11352-11390.	23.0	46
17	Subsequent Event Risk in Individuals With Established Coronary Heart Disease. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002470.	1.6	17
18	Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002471.	1.6	22

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19	Noteworthy Literature Published in 2018 for Cardiothoracic Anesthesiologists. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2019, 23, 148-155.	0.4	1
20	Society of Cardiovascular Anesthesiologists/European Association of Cardiothoracic Anaesthetists Practice Advisory for the Management of Perioperative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. <i>Anesthesia and Analgesia</i> , 2019, 128, 33-42.	1.1	52
21	Society of Cardiovascular Anesthesiologists/European Association of Cardiothoracic Anaesthetists Practice Advisory for the Management of Perioperative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 12-26.	0.6	50
22	Sex differences in gene expression in response to ischemia in the human left ventricular myocardium. <i>Human Molecular Genetics</i> , 2019, 28, 1682-1693.	1.4	26
23	A Successful Opioid-Free Anesthetic in a Patient Undergoing Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2517-2520.	0.6	21
24	Noteworthy Literature published in 2017 for Cardiothoracic Anesthesiologists. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2018, 22, 9-17.	0.4	2
25	Should the dilated ascending aorta be repaired at the time of bicuspid aortic valve replacement? <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 560-568.	0.6	18
26	A Pragmatic Preoperative Prediction Score for Nonhome Discharge After Cardiac Operations. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1384-1391.	0.7	19
27	Severity of tricuspid regurgitation is associated with long-term mortality. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1032-1038.e2.	0.4	40
28	Ten-year clinical experience of humanitarian cardiothoracic surgery in Rwanda: Building a platform for ultimate sustainability in a resource-limited setting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2541-2550.	0.4	36
29	Decreased preoperative functional status is associated with increased mortality following coronary artery bypass graft surgery. <i>PLoS ONE</i> , 2018, 13, e0207883.	1.1	8
30	Molecular Genetics of Lidocaine-Containing Cardioplegia in the Human Heart During Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2018, 106, 1379-1387.	0.7	10
31	The Long Noncoding RNA Landscape of the Ischemic Human Left Ventricle. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	22
32	Noteworthy Literature Published in 2016 for the Cardiothoracic Anesthesiologist. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2017, 21, 8-16.	0.4	1
33	Risk and outcomes of aortic valve endocarditis among patients with bicuspid and tricuspid aortic valves. <i>Open Heart</i> , 2017, 4, openhrt-2016-000545.	0.9	37
34	The genetic component of bicuspid aortic valve and aortic dilation. An exome-wide association study. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 102, 3-9.	0.9	16
35	Impact of Selection Bias on Estimation of Subsequent Event Risk. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	28
36	Aortic Atheroma Increases the Risk of Long-Term Mortality in 20,000 Patients. <i>Annals of Thoracic Surgery</i> , 2017, 104, 1325-1331.	0.7	13

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37	Post-operative atrial fibrillation examined using whole-genome RNA sequencing in human left atrial tissue. <i>BMC Medical Genomics</i> , 2017, 10, 25.	0.7	16
38	Association between bicuspid aortic valve morphotype and regional dilatation of the aortic root and trunk. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 341-349.	0.7	16
39	Joint analysis of left ventricular expression and circulating plasma levels of Omentin after myocardial ischemia. <i>Cardiovascular Diabetology</i> , 2017, 16, 87.	2.7	15
40	Reoperative Surgical Aortic Valve Replacement Versus Transcatheter Valve-in-Valve Replacement for Degenerated Bioprosthetic Aortic Valves. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1452-1458.	0.7	50
41	Duration of Postoperative Atrial Fibrillation After Cardiac Surgery Is Associated With Worsened Long-Term Survival. <i>Annals of Thoracic Surgery</i> , 2016, 102, 2018-2026.	0.7	21
42	Allele-specific expression in the human heart and its application to postoperative atrial fibrillation and myocardial ischemia. <i>Genome Medicine</i> , 2016, 8, 127.	3.6	6
43	Length Polymorphisms in Heme Oxygenase-1 and AKI after Cardiac Surgery. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3291-3297.	3.0	39
44	Perioperative genomics: coming soon to (operating) theatres near you. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 382-385.	0.7	2
45	Noteworthy Articles in 2015 for the Cardiothoracic Anesthesiologist. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2016, 20, 7-13.	0.4	0
46	Sarco��miR��friend or foe: a perspective on the mechanisms of doxorubicin-induced cardiomyopathy. <i>Annals of Translational Medicine</i> , 2016, 4, 203-203.	0.7	6
47	Using Next-generation RNA Sequencing to Examine Ischemic Changes Induced by Cold Blood Cardioplegia on the Human Left Ventricular Myocardium Transcriptome. <i>Anesthesiology</i> , 2015, 122, 537-550.	1.3	32
48	Noteworthy Articles in 2014 for Cardiothoracic Anesthesiologists. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2015, 19, 6-11.	0.4	0
49	Blood volume measurement by hemodilution: association with valve disease and re-evaluation of the Allen Formula. <i>Perfusion (United Kingdom)</i> , 2015, 30, 305-311.	0.5	18
50	Sex Differences in the Prevalence of Diastolic Dysfunction in Cardiac Surgical Patients. <i>Journal of Cardiac Surgery</i> , 2015, 30, 238-245.	0.3	26
51	Genetic and Clinical Risk Prediction Model for Postoperative Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 25-31.	2.1	49
52	Plasma Corin Decreases After Coronary Artery Bypass Graft Surgery and Is Associated With Postoperative Heart Failure: A Pilot Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 374-381.	0.6	20
53	Integrated microRNA and mRNA responses to acute human left ventricular ischemia. <i>Physiological Genomics</i> , 2015, 47, 455-462.	1.0	30
54	Genetic Variants Associated With Atrial Fibrillation and PR Interval Following Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 605-610.	0.6	10

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55	Blood volumes in cardiac surgery with cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2015, 30, 395-399.	0.5	10
56	A new clinical multivariable model that predicts postoperative acute kidney injury: impact of endogenous ouabain. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 1696-1701.	0.4	35
57	Noteworthy Articles in 2013 for Cardiothoracic Anesthesiologists. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2014, 18, 6-11.	0.4	0
58	Increased Perioperative B-Type Natriuretic Peptide Associates With Heart Failure Hospitalization or Heart Failure Death After Coronary Artery Bypass Graft Surgery. <i>Survey of Anesthesiology</i> , 2014, 58, 103.	0.1	0
59	A Roadmap to Investigate the Genetic Basis of Bicuspid Aortic Valve and its Complications. <i>Journal of the American College of Cardiology</i> , 2014, 64, 832-839.	1.2	162
60	Partnership for Sustainability in Cardiac Surgery to Address Critical Rheumatic Heart Disease in Sub-Saharan Africa: The Experience from Rwanda. <i>World Journal of Surgery</i> , 2014, 38, 2205-2211.	0.8	19
61	Diastolic Dysfunction in Patients Undergoing Cardiac Surgery: The Role of Gender and Age-Gender Interaction. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 626-630.	0.6	9
62	<i>GNAS</i> Gene Variants Affect β -blocker-related Survival after Coronary Artery Bypass Grafting. <i>Anesthesiology</i> , 2014, 120, 1109-1117.	1.3	9
63	Closing the Pore on Reperfusion Injury. <i>Anesthesiology</i> , 2014, 121, 212-213.	1.3	3
64	5â€²RNA-Seq identifies Fhl1 as a genetic modifier in cardiomyopathy. <i>Journal of Clinical Investigation</i> , 2014, 124, 1364-1370.	3.9	58
65	A common genetic variant within SCN10A modulates cardiac SCN5A expression. <i>Journal of Clinical Investigation</i> , 2014, 124, 1844-1852.	3.9	168
66	Association Between a Genetic Variant Related to Glutamic Acid Metabolism and Coronary Heart Disease in Individuals With Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2013, 310, 821.	3.8	122
67	Epicardial cryoablation resulting in precipitous left ventricular dysfunction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, e41-e42.	0.4	4
68	Increased Perioperative B-type Natriuretic Peptide Associates with Heart Failure Hospitalization or Heart Failure Death after Coronary Artery Bypass Graft Surgery. <i>Anesthesiology</i> , 2013, 119, 284-294.	1.3	27
69	Roundtable Discussion. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2012, 16, 243-249.	0.4	1
70	Cardiovascular alterations in the parturient undergoing cesarean delivery with neuraxial anesthesia. <i>Expert Review of Obstetrics and Gynecology</i> , 2012, 7, 59-75.	0.4	6
71	Polymorphism in the protease-activated receptor-4 gene region associates with platelet activation and perioperative myocardial injury. <i>American Journal of Hematology</i> , 2012, 87, 161-166.	2.0	14
72	Increased Peak Postoperative B-type Natriuretic Peptide Predicts Decreased Longer-term Physical Function after Primary Coronary Artery Bypass Graft Surgery. <i>Anesthesiology</i> , 2011, 114, 807-816.	1.3	24

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73	Genome-Wide Assessment for Genetic Variants Associated with Ventricular Dysfunction after Primary Coronary Artery Bypass Graft Surgery. PLoS ONE, 2011, 6, e24593.	1.1	5
74	Inferring genetic causal effects on survival data with associated endo-phenotypes. Genetic Epidemiology, 2011, 35, 119-124.	0.6	5
75	If a Troponin Falls in a Forest but No One Measures It, Does It Really Matter?. Anesthesiology, 2011, 114, 732-733.	1.3	3
76	From Creatine Kinase-MB to Troponin: Do We Really Need to Differentiate between Myocardial Injury and Infarction?. Anesthesiology, 2010, 113, 1479-1480.	1.3	2
77	Heart-Type Fatty Acid Binding Protein Is an Independent Predictor of Death and Ventricular Dysfunction After Coronary Artery Bypass Graft Surgery. Anesthesia and Analgesia, 2010, 111, 1101-1109.	1.1	36
78	Plasma Neutrophil Gelatinase-Associated Lipocalin and Acute Postoperative Kidney Injury in Adult Cardiac Surgical Patients. Anesthesia and Analgesia, 2010, 110, 1541-1547.	1.1	80
79	Common genetic variants on chromosome 9p21 predict perioperative myocardial injury after coronary artery bypass graft surgery. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 483-488.e2.	0.4	19
80	Colonic perforation from left ventricular assist device: a rare complication. Interactive Cardiovascular and Thoracic Surgery, 2010, 11, 369-370.	0.5	8
81	Chromosome 9p21 Variant Predicts Mortality After Coronary Artery Bypass Graft Surgery. Circulation, 2010, 122, S60-5.	1.6	32
82	Preoperative C-reactive Protein Predicts Long-term Mortality and Hospital Length of Stay after Primary, Nonemergent Coronary Artery Bypass Grafting. Anesthesiology, 2010, 112, 607-613.	1.3	33
83	Comparison of the Utility of Preoperative <i>versus</i> Postoperative B-type Natriuretic Peptide for Predicting Hospital Length of Stay and Mortality after Primary Coronary Artery Bypass Grafting. Anesthesiology, 2010, 112, 842-851.	1.3	39
84	Postoperative Activity, but Not Preoperative Activity, of Antithrombin Is Associated with Major Adverse Cardiac Events After Coronary Artery Bypass Graft Surgery. Anesthesia and Analgesia, 2010, 111, 862-869.	1.1	32
85	Heparin Dose Response Is Independent of Preoperative Antithrombin Activity in Patients Undergoing Coronary Artery Bypass Graft Surgery Using Low Heparin Concentrations. Anesthesia and Analgesia, 2010, 111, 856-861.	1.1	41
86	Troponin is superior to electrocardiogram and creatinine kinase MB for predicting clinically significant myocardial injury after coronary artery bypass grafting. European Heart Journal, 2009, 30, 1574-1583.	1.0	54
87	Variation in the 4q25 Chromosomal Locus Predicts Atrial Fibrillation After Coronary Artery Bypass Graft Surgery. Circulation: Cardiovascular Genetics, 2009, 2, 499-506.	5.1	104
88	C-Reactive protein gene variants are associated with postoperative C-reactive protein levels after coronary artery bypass surgery. BMC Medical Genetics, 2009, 10, 38.	2.1	22
89	The diagnostic process and perioperative and anesthetic management of an undiagnosed congenital cyanotic cardiac defect in an adult for trauma surgery. Journal of Clinical Anesthesia, 2009, 21, 454-458.	0.7	0
90	Intraoperative Transesophageal Echocardiography Alters the Surgical Course for Patients Undergoing Ascending Aortic Aneurysm Repair. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 71-74.	0.6	3

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91	Natriuretic Peptide System Gene Variants Are Associated with Ventricular Dysfunction after Coronary Artery Bypass Grafting. <i>Anesthesiology</i> , 2009, 110, 738-747.	1.3	40
92	Does B-type Natriuretic Peptide or Its Gene Polymorphism Predict Patient Outcome after Coronary Artery Bypass Graft Surgery?. <i>Anesthesiology</i> , 2009, 111, 1378-1379.	1.3	0
93	Impact of genetic variation on perioperative bleeding. <i>American Journal of Hematology</i> , 2008, 83, 732-737.	2.0	4
94	Temporary Biventricular Pacing Postcardiopulmonary Bypass in Patients with Reduced Ejection Fraction. <i>Journal of Cardiac Surgery</i> , 2008, 23, 324-330.	0.3	19
95	Administration of milrinone before ischemia, in the presence of β -blockade, to treat metabolic impairment and myocardial stunning in pigs. <i>Acta Anaesthesiologica Scandinavica</i> , 2008, 52, 397-405.	0.7	3
96	Genomics: Risk and Outcomes in Cardiac Surgery. <i>Anesthesiology Clinics</i> , 2008, 26, 399-417.	0.6	8
97	Treating pulmonary hypertension post cardiopulmonary bypass in pigs: milrinone vs. sildenafil analog. <i>Perfusion (United Kingdom)</i> , 2008, 23, 117-125.	0.5	9
98	Ethanol-induced acute pulmonary hypertension and right ventricular dysfunction in pigs. <i>British Journal of Anaesthesia</i> , 2008, 100, 568-569.	1.5	8
99	Treatment of ethanol-induced acute pulmonary hypertension and right ventricular dysfunction in pigs, by sildenafil analogue (UK343-664) or nitroglycerin. <i>Annals of Cardiac Anaesthesia</i> , 2008, 11, 97.	0.3	8
100	Incidental Discovery of a Large Patent Ductus Arteriosus in an Adult During Aortic Reconstruction: Echocardiographic Findings and Diagnostic Dilemmas. <i>Anesthesia and Analgesia</i> , 2007, 105, 1227-1228.	1.1	5
101	Treating Ischemic Left Ventricular Dysfunction With Hypertonic Saline Administered After Coronary Occlusion in Pigs. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2007, 21, 400-405.	0.6	10
102	Treating metabolic impairment and myocardial stunning with phosphodiesterase inhibitor type III, milrinone, administered prior to coronary artery occlusion in the presence of calcium channel blockade in pigs. <i>Annals of Cardiac Anaesthesia</i> , 2007, 10, 34.	0.3	1
103	Inhaled amyl nitrite effectively reverses acute catastrophic thromboxane-mediated pulmonary hypertension in pigs. <i>Annals of Cardiac Anaesthesia</i> , 2007, 10, 113.	0.3	3
104	Acute High-Output Failure from an Aortoventricular Fistula Due to a Ruptured Sinus of Valsalva Aneurysm After Blunt Chest Trauma. <i>Anesthesia and Analgesia</i> , 2006, 103, 1408-1409.	1.1	8
105	Treatment of ischaemic left ventricular dysfunction with milrinone or dobutamine administered during coronary artery stenosis in the presence of beta blockade in pigs. <i>British Journal of Anaesthesia</i> , 2006, 97, 799-807.	1.5	4
106	Treatment with phosphodiesterase inhibitors type III and V: milrinone and sildenafil is an effective combination during thromboxane-induced acute pulmonary hypertension. <i>British Journal of Anaesthesia</i> , 2006, 96, 317-322.	1.5	34
107	Reduced activation of immunomodulatory transcription factors during positive end-expiratory pressure adjustment based on volume-dependent compliance in isolated perfused rabbit lungs. <i>British Journal of Anaesthesia</i> , 2005, 94, 530-535.	1.5	15